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S. & R. 1902 1902
SAVAGE & REID'S
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U.S. Department of Agriculture
ANNUAL CATALOGUE
OF SEEDS
ETC.

This Collection of Eight Choice Vegetables Sent Postpaid for 25 Cents



STECHER UTH CO. ROGERS

SALEM, OREGON

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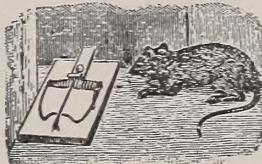
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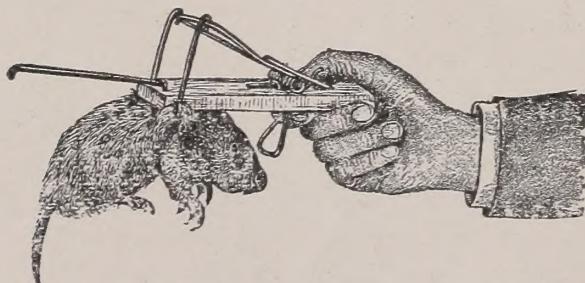
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TRAPS.

“OUT O’ SIGHT”



“Out o’ Sight” Mouse Trap, postpaid.....	\$0.10
“Out o’ Sight” Rat Trap, postpaid.....	.25
“Out o’ Sight” Mole Trap.....	1.00



NEW PRINCIPLE

When properly set
will catch 19 out of 20.

The Best Trap Made for
POCKET GOPHERS.

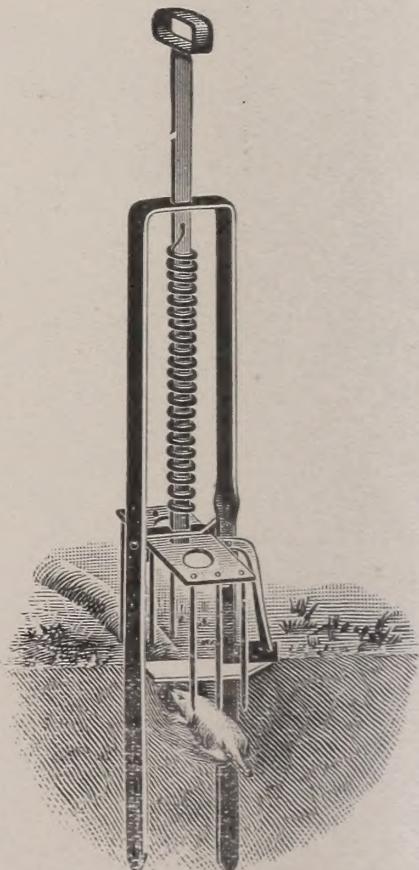
No Danger and Easy to Set. Sure Catch.
Sample trap, sent postpaid for 25 cts.

Full Directions With Each Trap.

The Reddick Mole Trap is without doubt, all things considered, the best mole trap ever placed on the market. No mole can pass under it and live. It is not only effective, but cheap. Try it and prove its merits. Price, \$1.00.

Barnes’ Mole or Gopher Trap has been on this market for a few years and sold by thousands. Sure death. Price, \$1.75

Gopher Gun.
Loaded the same and with No. 16 breech loading shot gun shell. Place in hole and bid gopher or mole good-bye. Perfectly safe. Price, \$1.75.



Reddick Mole Trap.

SAVAGE & REID'S

ILLUSTRATED AND DESCRIPTIVE

CATALOGUE.

TO PATRONS:

In our Seed Catalogue for 1902, we offer many new and attractive features and ask you to examine the same carefully before ordering your Seeds etc.

Seed Postage Free. All Vegetable and Flower Seeds in quantities of 1 pound or less will be sent to any address in the United States post paid, unless otherwise stated under the different headings.

Discount on Seeds in Packets and Ounces. It takes as much time and care to fill an order for 25 cents, as one for \$1.00 or more, so we make the following discounts:

\$1.00	buys seeds in packets and ounces to the value of	\$1.30
2.00	" "	2.65
3.00	" "	4.05
4.00	" "	5.40
5.00	" "	6.75

This discount applies to seeds in packets and ounces only, and is not allowed on seeds by the $\frac{1}{4}$ pound or more.

Special Directions for ordering. In sending an order always write your name and address in ink and with especial care. If your express or freight office is different from your postoffice, do not fail to say so.

Write all communications and remarks on a separate page. For orders, use the order sheet, or a separate page.

Send money by Bank draft, express, order, or Postoffice Money Order. Otherwise register your letter. On all orders of \$1.00 or over deduct the price of registration from order. Stamps taken on small orders.

With our best wishes for the coming year, we remain,

Yours very truly,

SAVAGE & REID.

322 AND 324 COMMERCIAL STREET.

SALMON, OREGON.

Valuable Tables.

Table showing the number of pounds in bushels, and quantity of seed required to sow an acre of ground.

	Lbs. per Bushel.	Lbs. to Acre.
Alfalfa or Lucerne	60	20 to 30
Barley—broadcast	56	125 to 130
Beans, Dwarf or Bush, hills	60	25 to 40
Beans, Dwarf or Bush, drills	60	75 to 80
Beans, Tall or Pole, hills	60	25
Beet, Garden—drills		5 to 6
Beet, Field—drills		4 to 6
Beet, for sugar		12 to 20
Broom Corn—drills	46	12
Buckwheat—broadcast	50	25 to 45
Cabbage in beds to cover one acre after transplanting		1/4
Canary	60	20 to 45
Carrots—drills		2 to 3
Cheat	30	75 to 85
Clover, Alsike—broadcast	60	6 to 10
" Crimson "	60	10 to 15
" Espersett "	24	20 to 30
" Red "	60	10 to 15
" White "	60	6 to 8
Corn, Broom	46	6 to 10
Corn, Sweet—hills	50	10 to 15
Corn, Field, to cut green for fodder— drills or broadcast	56	100 to 125
Corn, Kaffir, for fodder	56	25 to 50
Corn, Kaffir, for seed	56	4 to 5
Cucumber—hills		2 to 3
Flax—when wanted for seed	56	15 to 20
Flax—when wanted for fibre	56	40 to 50
Grass, Brome		20 to 35
Grass, English or Australian Rye, for meadow	20	30 to 50
Grass, English or Australian Rye, for lawns	20	100 to 200
Grass, Italian Rye	20	25 to 40
Grass, Johnson	25	25 to 30
Grass, Kentucky Blue for pasture	14	15 to 20
Grass, Kentucky Blue for lawns	14	75 to 100
Grass, Meadow Fescue or English Blue Grass	24	20 to 30
Grass, Mesquite, in the chaff	10	20 to 30
Grass, Orchard	14	20 to ..
Grass, Red Top	14	20 to 30
Grass, Red Top, fancy hulled	32	12 to 18
Grass, Tall Meadow Oat	10	30 to 50
Grass, Timothy	45	10 to 15
Grass mixture	36	

	Lbs. per Bushel.	Lbs. to Acre.
Clover,		5
Timothy, } for mowing or grazing		10
Red Top,		10
Grass Mixed Lawn	14	100
A much larger quantity of seed is required to make a close, fine lawn than for other purposes.		
Hemp—broadcast	44	30 to 40
Melon, Musk—hills		2 to 2½
Melon, Water—hills		2 to 3
Millet, Hungarian	48	20 to 30
Millet for pasture	50	25 to 30
Millet, for seed	50	15
Mustard		12 to 15
Oats—broadcast	36	80 to 90
Onion, Black Seed—drills		4 to 6
Onion, Black Seed, for bottom sets		30
Onion Sets—drills	24	250
Parsnip—drills		3 to 5
Peas—drills	60	70 to 100
Peas—broadcast	60	100 to 150
Potatoes—cut tubers	60	500
Pumpkin—hills		3 to 4
Rape—in drills		5
Rape—broadcast		10
Radish—drills		8 to 10
Rye—broadcast	56	75 to 100
Sage—drills		8
Spinach—drills		10
Squash, bush varieties—hills		4
Squash, running varieties—hills		3
Sugar Cane in drills	50	4 to 6
Tomato—in beds to transplant		1/8 to 1/4
Turnip and Rutabaga—drills		1 1/2 to 2
Turnip and Rutabaga—broadcast		3
Vetches—broadcast	70	150
Wheat—broadcast	60	80 to 100
Wheat—drills	60	70 to 80

Table showing the number of Plants or Trees to an acre at given distance:

Distance apart.	No.	Distance apart.	No.
1 foot	43560	10 feet	435
2 feet	10890	12 feet	302
3 feet	4840	15 feet	193
4 feet	2722	18 feet	134
5 feet	1742	20 feet	109
6 feet	1210	25 feet	69
8 feet	680	30 feet	48

FOREIGN NAMES OF VEGETABLES AND HERBS.

ENGLISH.	GERMAN.	FRENCH.	ITALIAN.	DUTCH.
Anise.....	Anis, Gruner Anis.....	Anis.....	Aniso, Anacio.....	Aniis.
Artichoke.....	Artischoke.....	Artichaut.....	Articiocca.....	Astisjok.
Asparagus.....	Spargel.....	Asperge.....	Sparagio.....	Asperge.
Balm.....	Citronen-Melisse.....	Melisse Citronelle.....	Melissa.....	Citroen-Melisse.
Basil.....	Basilikum.....	Basilic grand.....	Basilico.....	Basilicum.
Beet.....	Bohnen.....	Haricots.....	Fagioli.....	Boonen.
Borage.....	Rube.....	Betterave.....	Barbabietola.....	Bieten.
Broccoli.....	Spargelkohl.....	Bourrache.....	Boragine.....	Broccoli.
Brussels Sprouts.....	Rosenkohl.....	Chou de Bruxelles.....	Cavolo di Brussel.....	Spruitkool.
Cabbage.....	Kopfkohl, Kraut.....	Chou pomme.....	Cavolo cappuccio.....	Sluitkool.
Cabbage Savoy.....	Wirsing.....	Chou de Milan.....	Cavolo di Milano.....	Savooiekool.
Caraway.....	Feld-Kummel.....	Cumin des pres.....	Carvi.....	Karwij.
Carrot.....	Carotten, Mohren.....	Carotte.....	Carota.....	Wortelen.
Cauliflower.....	Blumenkohl.....	Chou-fleur.....	Cavolofiore.....	Bloemkool.
Celeriac.....	Sellerie.....	Celeri.....	Sedano.....	Selderij.
Chervil.....	Kerbel.....	Cerfeuil.....	Cerfolgio.....	Kervel.
Chicory.....	Chicorienwurzel.....	Chicoree sauvage.....	Cicoria selvatica.....	Suikerij.
Coriander.....	Coriander.....	Coriandre.....	Coriandolo.....	Koriander.
Corn Salad.....	Feldsalat.....	Mache.....	Valeriana.....	Valdsla.
Corn.....	Mais.....	Mais.....	Mais.....	Mais.
Cress.....	Garten-Kresse.....	Cresson alenois.....	Agretto.....	Tuinkers.
Cress, Water.....	Brunnenkresse.....	Cresson de fontaine.....	Nasturzio aquatico.....	Waterkers.
Cucumber.....	Gurken.....	Concombre.....	Cetriolo.....	Komkommer.
Dandelion.....	Lowenzahn.....	Pissenlit.....	Dente de leone.....	Molsla.
Dill.....	Dill.....	Aneth.....	Aneto.....	Dille.
Egg Plant.....	Eierpflanze.....	Aubergine.....	Petonciano.....	Melanzaan-plant.
Endive.....	Endivien.....	Chicoree Endive.....	Indivia.....	Andijvie.
Fennel.....	Fenchel.....	Fenouil.....	Finocchio.....	Venkel.
Garlic.....	Knoblauch.....	Ail.....	Aglio.....	Knoflook.
Horse Radish.....	Meer Rettig.....	Raifort sauvage.....	Rafano.....	Peperwortel.
Hyssop.....	Isop.....	Hyssope.....	Issopo.....	Hysop.
Kale.....	Blatterkohl.....	Chou vert.....	Cavolo verde.....	Boerenkool.
Kohl Rabi.....	Knollkohl.....	Chou-rave.....	Cavolo rapa.....	Koolraki.
Lavender.....	Lavendel.....	Lavende.....	Lavanda.....	Lavendel.
Leek.....	Porree, Lauch.....	Poireau.....	Porro.....	Prel.
Lettuce.....	Lattich, Kopfsalat.....	Laitue.....	Lattuga.....	Kropsla.
Marjoram.....	Majoran.....	Marjolaine.....	Maggiorana.....	Marjolyn.
Melon.....	Melone.....	Melon.....	Popone.....	Meloen.
Melon, Water.....	Wasser-Melone.....	Melon d'eau.....	Melone d'aqua.....	Water Meloen.
Mushroom.....	Schwamm.....	Champignon.....	Fungo pratajolo.....	Kampernoelle.
Nasturtium.....	Kapuciner Kresse.....	Capucine.....	Nasturzio.....	Capucine-kers.
Okra.....	Ocher.....	Gombaud.....	Ocra.....	Uien.
Onion.....	Zwiebel.....	Ognon.....	Cipollo.....	Peterselie.
Parsley.....	Petersilie.....	Persil.....	Prezzemolo.....	Pinksternakel.
Parsnip.....	Pastinake.....	Panais.....	Pastinaca.....	Erwten.
Peas.....	Erbsen.....	Pois.....	Pisello.....	Spaansche Peper.
Pepper.....	Pfeffer.....	Piment.....	Peperone.....	Pompoen.
Pumpkin.....	Melonen-Kurbiss.....	Potiron.....	Zucca.....	Radijs.
Radish.....	Radies.....	Radis.....	Ravanello.....	Rabarber.
Rhubarb.....	Rhabarber.....	Rhubarbe.....	Rabarbaro.....	Rabarber.
Rosemary.....	Rosmarin.....	Romarin.....	Rosmarino.....	Rozemarijn.
Rue.....	Raute.....	Rue.....	Rue.....	Wijnrult.
Saffron.....	Safran.....	Safran.....	Zafferano.....	Saffraan.
Sage.....	Salbei.....	Sauge.....	Salvia.....	Salie.
Salsify.....	Haferwurzel.....	Salsifis.....	Sassefrica.....	Salsefy.
Sorrel.....	Sauerampfer.....	Oseille.....	Acetosa.....	Zuring.
Summer Savory.....	Bohnenkraut.....	Sarriette annuelle.....	Santoreggia.....	Boonenkruid.
Spinach.....	Spinat.....	Epinard.....	Spinace.....	Spinazie.
Squash.....	Kurbiss.....	Courge.....	Zucca.....	Kalebas.
Tansy.....	Gemeiner Rainfarn.....	Tanaisie.....	Atanasia.....	Wormkruid.
Thyme.....	Thymian.....	Thym.....	Timo.....	Tijm.
Tomato.....	Liebesapfel.....	Pomme d'Amour.....	Pomo d'oro.....	Tomaat.
Turnip.....	Weisse Rube.....	Navet.....	Navone.....	Rapen.
Wormwood.....	Wermuth.....	Absinthe.....	Assenzio.....	Alsem.

Speltz.

This new cereal during the last two years has proven itself of unquestionable merit and is unexcelled for feed for horses, cattle, hogs and poultry, and will soon become one of the leading crops in the North West. It is a very heavy cropper and well adapted to this climate. It will pay you to get a start early. 1 lb. 10c; 100 lbs. \$5.00.

PREMIUM OFFER. To those who send us an order for \$1.00 worth of Vegetable and Flower seed in packets or ounces, and take advantage of no other premium offer, we will send, postage paid, 1 lb. of this wonderful new cereal **Speltz**. Give it a trial.

SPECIAL PREMIUMS.

We offer as a premium this year a packet each of the following seeds, with every \$1.00 order, where no discounts or other premiums are claimed.

S. & R's. Stringless Bean, is offered this season for the first time. This is a green-podded variety with a white bean, something for which there has always been a great demand. It is a medium early bean, with pods that are fleshy, tender and of a delicious flavor. We recommend it to our patrons.

Burpee's New Stringless Bean, a green-podded variety combining the merits of unusual hardiness, extreme earliness and being at the same time a heavy producer. Color of beans, a rich brown.

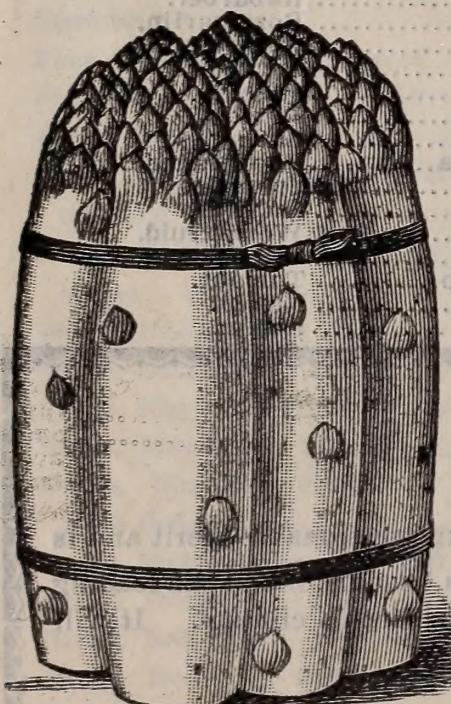
Carter's Daisy Pea is a dwarf growing very large podded, main crop variety, vine strong and vigorous, with heavy foliage, growing only 18 inches high. Pods are very large and well filled with large peas of fine rich marrow flavor.

Any of the above seeds sent post paid at the following prices. Packets 10c. Pound 30c. Ten pounds, purchaser to pay freight or express, \$1.50.

The varieties of vegetable seeds listed have been selected with great care and thoroughly tested. We are constantly adding new and improved kinds as come to our notice, but offer no old variety under a different name as a novelty. Should any customer desire seeds not listed we will be pleased to procure them.

Asparagus.

Sow the seed early in the spring in drills about one inch deep. In the fall or succeeding spring, the plants may be set in beds about one foot apart each way and the crown six inches below the surface. The soil should be rich and deeply cultivated to secure a good crop. Time can be saved by purchasing roots.



Columbian Mammoth White.

from seed. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

Palmetto. About the same size as Colossal but earlier. Shades on the bright green in color. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 75c.

Conover's Colossal. Large and of rapid growth. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Barr Mammoth. Has very large tender stocks of a very light color. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. \$1.00.

For Asparagus Roots, see Garden Roots.



Colossal
Conover's

Artichoke.



Green Globe Artichoke.

For Artichoke Tubers, see Garden Roots.

Large Green Globe. The variety used as a table vegetable. The edible portion is the flower head. Sow early in drills one foot apart, and when about ten inches high transplant into rows four feet apart and two feet in the row. Mulch during dry weather. It prefers rich, deep loam and should be well manured every spring. Pkt. 5c; 1 oz. 30c; $\frac{1}{4}$ lb. 90c.

Beans.

If ordered sent by mail, add 10 cents per lb. for postage.

Six pounds of seed to 100 yards of row.

Plant about the middle of April, if the ground is warm and the season favorable, in rows two feet apart, and the beans three inches apart and two inches deep in rows. Keep well hoed and draw the earth up to their stems only when dry, as earth scattered on the leaves when wet with rain or dew will cause them to rust and injure the crop.

GREEN PODDED VARIETIES.



Extra Early Refugee.

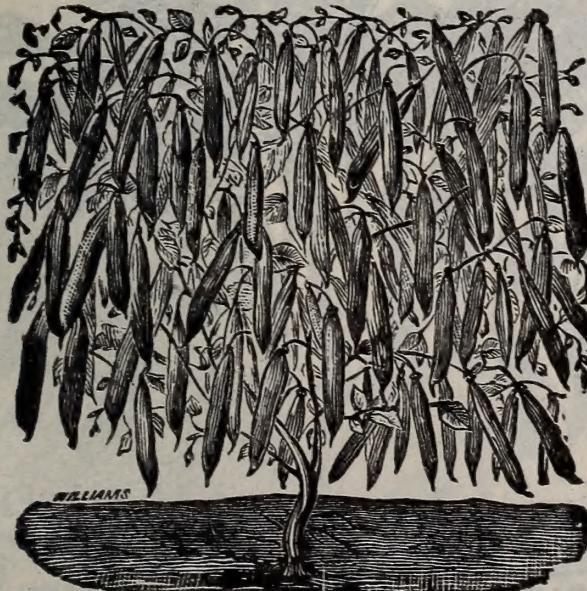
Extra Early Refugee. Claimed to be the earliest green podded variety. Similar to, but two weeks earlier than the old Refugee. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.25.

Refugee, or Thousand to One. The best late kind; very productive. The pods are dark green veined with purple, tender and crisp, and considered the best variety for pickling. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.25.

Early Long Yellow Six Weeks. Hardy standard variety; pods six inches long and one-half inch wide; light green in color; vine vigorous and productive. Pkt. 10c; 1 lb. 15c; 10 lbs \$1.25.

Improved Red Valentine. The earliest Valentine Bean. Productive, tender and of excellent flavor. Pods round and remain tender a long time. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.25.

Burpee's New Stringless. Among the first to produce pods, which are of a rich green, five inches long, round, tender, brittle, and of finest flavor, stringless even when matured. Pkt. 10c; 1 lb. 25c.



Improved Tree Bean.

Improved Tree Bean. The most prolific field variety. Grows twenty inches high and branches out like a tree. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.00.

Early Mohawk. The hardiest of the bush kinds. The pods are pale green, large and broad. The vines continue in bearing a long time and will withstand a light frost. Pkt. 10c; 1 lb. 20c; 10 lbs. \$1.50.

Royal White Kidney. The bean is large, long, slightly curved, and pure white. It yields a heavy crop, and is one of the best, either green-shelled or dry. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.00.

Broad Windsor. Stalks erect, strong and shrubby. The bean is large, broad and flat. They are best green-shelled. The best of the English Dwarf Beans. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.00.

Dwarf Horticultural.
A strong grower, producing a large crop. The bean is highly prized for use green-shelled, also dry-shelled. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.15.

Henderson's Dwarf Lima. The earliest Lima Bean known. Bean small and of fine flavor. Pkt. 10c; 1 lb. 20c; 5 lbs. 90c.

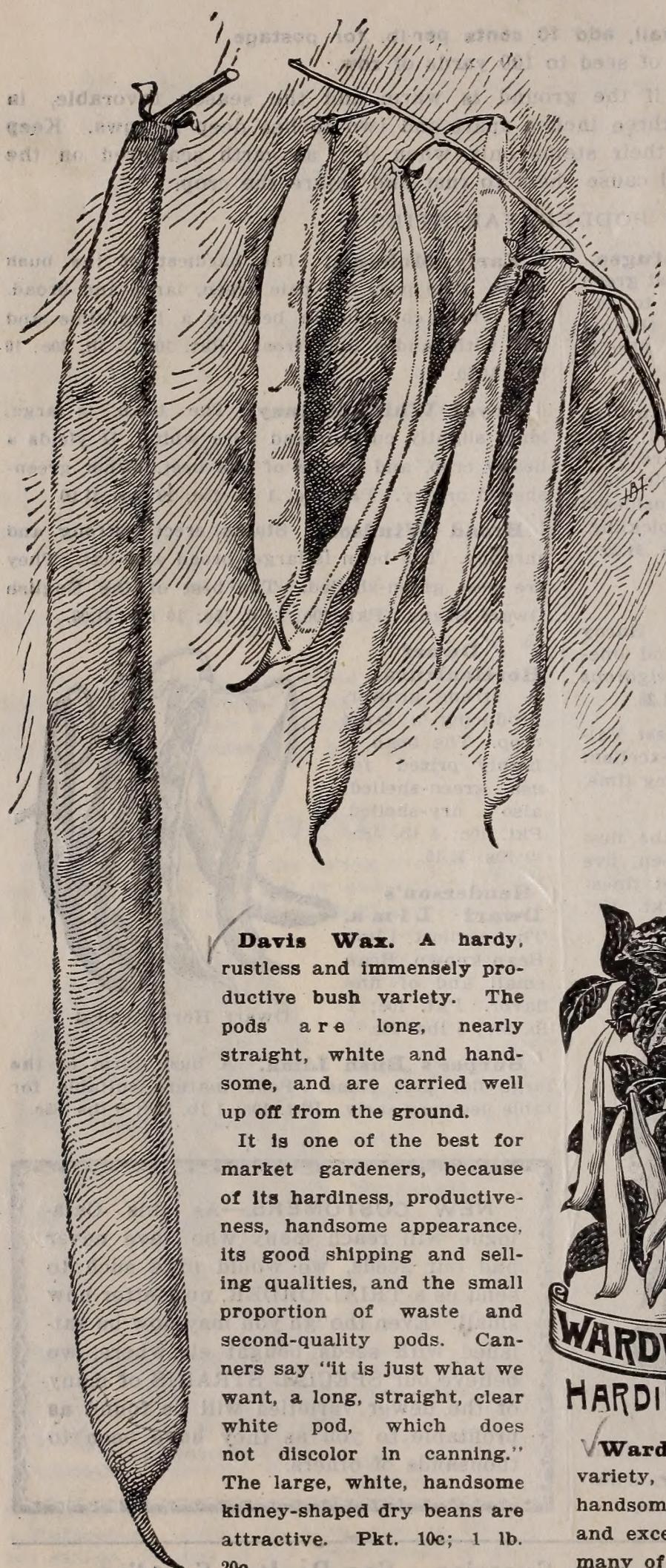


Dwarf Horticultural.

Burpee's Bush Lima. A bush form of the large flat pole Lima. Pods mature suitable for table use very early. Pkt. 10c; 1 lb. 20c; 5 lbs. 85c.

NEW CUSTOMERS.—As this Catalogue will reach many who have never had our seeds, we would urge such to send us a TRIAL ORDER, no matter how small. Even though you may now be satisfied with seeds bought elsewhere, we believe our SPECIAL STRAINS of many of the newer varieties will be found as profitable to you as they have been to thousands of others.

WAX VARIETIES.



Davis Wax.

Davis Wax. A hardy, rustless and immensely productive bush variety. The pods are long, nearly straight, white and handsome, and are carried well up off from the ground.

It is one of the best for market gardeners, because of its hardiness, productivity, handsome appearance, its good shipping and selling qualities, and the small proportion of waste and second-quality pods. Canners say "it is just what we want, a long, straight, clear white pod, which does not discolor in canning." The large, white, handsome kidney-shaped dry beans are attractive. Pkt. 10c; 1 lb. 20c.

✓ **Golden Eyed Wax.** This is an early and vigorous growing variety, yielding a great profusion of tender pods of a beautiful waxy appearance, the vines growing about 1½ feet high, holding the pods well off the ground. It is singularly free from blight and rust. Pkt. 10c; 1 lb. 15c.

✓ **Black Eyed Wax.** This is an early and vigorous growing variety. Pkt. 10c; 1 lb. 15c.

A TRIAL
OF OUR

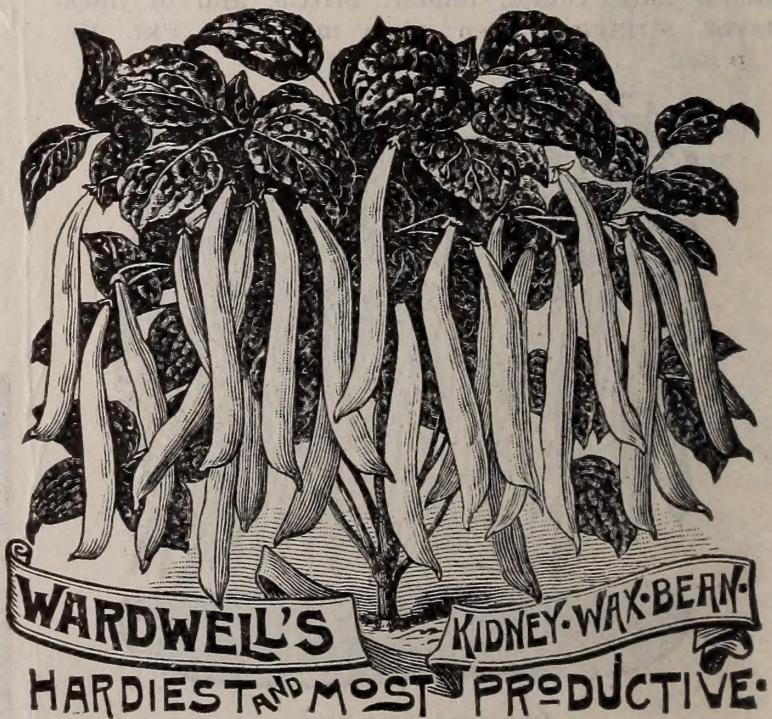
Vegetable Fertilizer

Will surprise
you and prove
its merits.



Challenge
Black Wax.

Extra Challenge Black Wax. Extremely early, and may be considered the most desirable for first crop. The plants are vigorous and very productive; pods resemble those of the prolific German Wax, but a little flatter. Ripe beans jet black, medium size. Pkt. 10c; 1 lb. 15c.



✓ **Wardwell's Kidney Wax.** A robust, hardy variety, yielding a heavy crop of large, unusually handsome, wax-like pods. They are fleshy, tender and excellent, and are ready for the table before many of the earlier wax varieties. Pkt. 10c; 1 lb. 15c.



Golden Wax Dwarf.

Golden Wax Dwarf. The standard wax bean. The pods are large and long and entirely stringless. As a snap bean it excels all other sorts in tenderness and richness of flavor, and has the further merit of being one of the best shell beans grown for winter use. Pkt. 10c; 1 lb. 15c.

Rust Proof, or Detroit Wax. It is not likely to rust even when exposed to very wet weather. Pod flat, good length and very broad. It is valuable for shipping, as it keeps fresh and crisp a long time. It is extra early; quality in the pod all that can be desired, and also excellent green shelled. Pkt. 10c; 1 lb. 15c.

Castor Bean. Pkt. 10c; 1 lb. 25c.

POLE OR RUNNING BEANS.

Three pounds of Seed to 100 yards of row.

Indian Chief or Tall Black Wax. Remarkable for its fine, tender and succulent pods, which are produced in great abundance. Pkt. 10c; 1 lb. 20c; 10 lbs. \$1.75.

London Horticultural. Very desirable for the family garden. Vines vigorous, bearing light green pods, streaked with red. The bean is large, oval, cream colored, beautifully splashed with red, and has no superior, green shelled or dry. Pkt. 10c; 1 lb. 20c; 10 lbs. \$1.50.

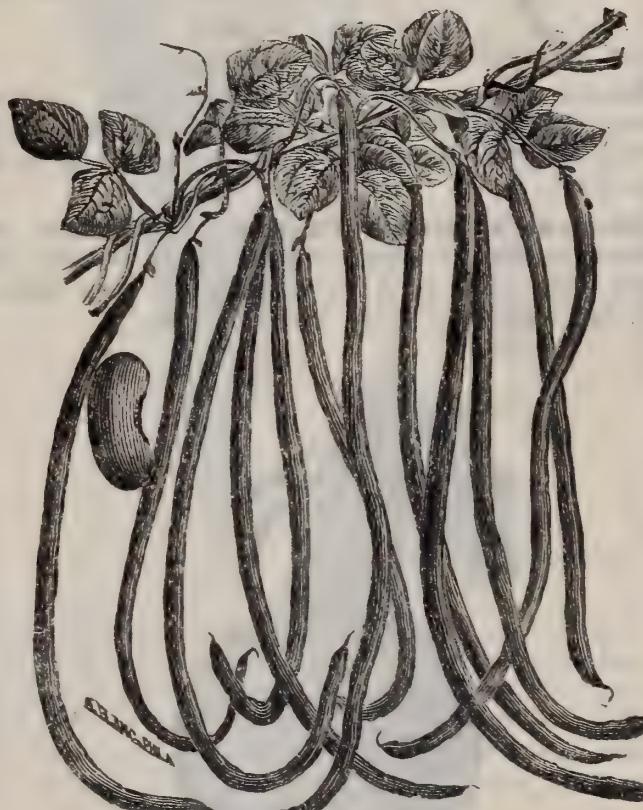
Lazy Wife.

Long green pods of good quality; bean white. Pkt. 10c; 1 lb. 20c; 10 lbs. \$1.50.

White Crease Back. A good early green podded pole bean. Pkt. 10c; 1 lb. 20c; 10 lbs. \$1.75.



Case Knife.



True Asparagus.

Asparagus. (This is the true "Asparagus" Bean, not the so-called Asparague put out by many seedmen.) Pods long and slender, sometimes growing to one foot in length. Green in color. A good yielder and extensively used for canning. Pkt. 10c; 1 lb. 30c; 10 lbs. \$2.50.

Kentucky Wonder, or Seek No Further. Pods green, very long, and meaty, entirely stringless, and of finest quality. If kept gathered as they mature, the vines will continue to bear to the end of the season. Pkt. 10c; 1 lb. 20c; 10 lbs. \$1.50.

Large White Lima. The standard pole Lima Bean. Pkt. 10c; 1 lb. 20c; 10 lbs. \$1.80.

Scarlet Runner. Chiefly grown for its brilliant scarlet flowers, which are borne in long racemes from July to October. Pkt. 10c; 1 lb. 30 cents.

Early Dutch Case Knife. This variety is of quick growth, producing large flat pods early in the season. These are six to seven inches in length, one-half inch wide, and quite brittle when gathered young for snapshots. Being white-seeded, it is excellent to grow dry-shell beans for winter use. Pkt. 10c; 1 lb. 20c; 10 lbs. \$1.80.

Beet.

Five ounces of seed to 100 yards of row.

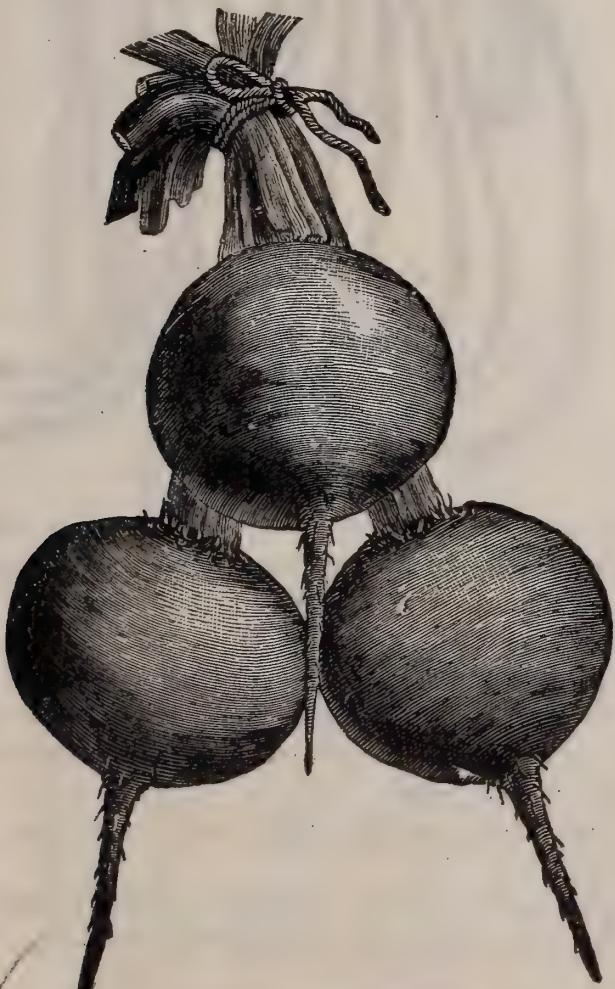
The soil for beet culture should be rather light and well enriched. Sow in drills one foot apart and one inch deep, as early as the ground can be worked in the spring, for early supply. When the plants are large enough, thin out to stand six or eight inches apart in the rows.



Early Blood Turnip.

✓ Early Bassano. A very early flat variety, tender, juicy; flesh white and rose colored, circled with pink; very sweet. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

✓ Edmand's Blood Turnip. A market gardener's strain of great regularity in shape; deep blood skin and very dark flesh of best quality. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.



Early Eclipse Beet.

✓ Early Eclipse. Smooth and round; skin and flesh intense red; fine grained and sweet; an excellent sort for forcing. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

✓ Early Blood Turnip.

The leading turnip-shaped variety; of medium size, rapid growth, not liable to become woody; keeps well. Flesh of a rich, deep blood-red color; tender, sweet and of excellent quality. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

✓ Long Dark Blood. Excellent for winter; keeps well. Long and smooth, growing to good size; half out of the ground; color dark blood red, top small and of upright growth. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

✓ Half Long Blood. One of the very best for winter use; does not become woody, and keeps equally as well as the Long Dark Blood. The root is as smooth and handsome and the flesh as brilliant in color. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.



Early Egyptian.

✓ Swiss Chard, or Sea Kale Beet. Cultivated exclusively for its leaves and leaf stalk, which are prepared and served similar to asparagus. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

MANGEL-WURZEL AND SUGAR BEETS.

✓ Mammoth Long Red. Long roots of an enormous size, growing much above ground; smooth and regular in shape, with a small top. One of the heaviest cropping varieties. Pkt. 5c; $\frac{1}{4}$ lb. 15c; 1 lb. 40c; 10 lbs. express to be paid by purchaser, \$2.50.

✓ French White Sugar. Large and excellent. The flesh is of a fine grain, tender and sweet. Superior for stock feeding, and for the table when young. Pkt. 5c; $\frac{1}{4}$ lb. 15c; 1 lb. 35c.



Half Long Blood

✓ Early Egyptian. Early red, smooth skin, small top, good for spring and early summer use. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

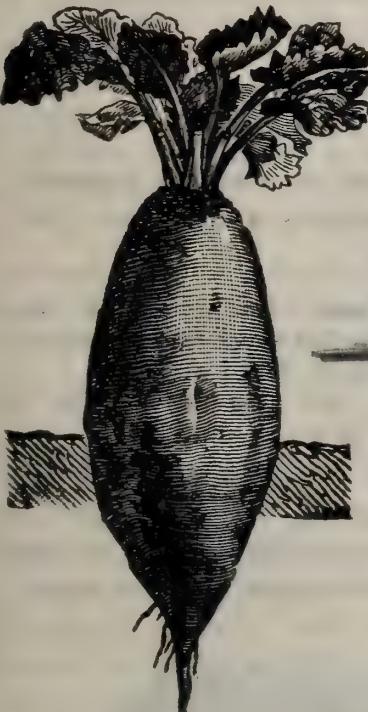


Mammoth Long Red.



Golden Tankard.

Golden Tankard. This is undoubtedly one of the most profitable varieties to grow for stock, as it is an enormous cropper, and said to be the most nutritious Mangel in cultivation. Color, bright yellow. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 15c; 1 lb. 40c.



Golden Giant Intermediate.

Mangel Half Sugar. A heavy producer; excellent for stock, being very sweet and a great addition for the best culturist. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

German Imperial, White Sugar. It gives the best results raised in sandy soil free from alkali. Good for stock. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

French Sugar. Red top. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 15c; 1 lb. 45c.

Golden Giant Intermediate, or Levianthan. A variety of great merit for stock feeding. Skin yellow, flesh white and sweet. Pkt. 5c; $\frac{1}{4}$ lb. 15c; 1 lb. 40c.



Klein Wanzleben.

Klein Wanzleben. This is the variety which is considered best in Germany for producing sugar, and is now taking the lead in this country for this purpose. Our stock of seed is imported direct from one of the most careful German growers, and should be used where the best results are desired. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

USE
GROESBECK'S
EGG
PRODUCER
FOR YOUR
POULTRY

Brocoli.

One ounce of seed to 100 yards of row.

Produces heads in the autumn like cauliflower, but is more hardy. Sow about the middle of May; transplant in well enriched soil and manage the same as winter cabbage.



White Cape. Similar to the Purple Cape, except in color. Can be grown where cauliflower makes an uncertain crop. Pkt. 5c; 1 oz. 35c; $\frac{1}{4}$ lb. \$1.00; 1 lb. \$3.50.

Early Purple Cape. This is the best for the North producing compact heads of a brownish purple and of good flavor. Pkt. 5c; 1 oz. 35c; $\frac{1}{4}$ lb. \$1.15; 1 lb., \$4.00.



WE KEEP THE BEST FERTILIZERS.

Brussels Sprouts.



Brussels Sprouts.

Produces from the stem small heads one or two inches in diameter, resembling miniature cabbages. The sprouts are used as greens, and become very tender when touched by the frost. Sow in May and manage the same as winter cabbage.

Dwarf Improved. Producing compact sprouts of extra quality. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.

Sow during August or early in September, in drills a quarter of an inch deep and six inches apart. Just before the winter cover thinly with straw or leaves.

Large Seeded. Leaves round, crisp and golden yellow; delicate flavor. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.



Corn Salad.

Collards.

Similar to Cabbage, known also as Cole or Colewort. Sow in autumn in rows a foot apart, and treat the same as cabbage. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. \$1.00.

Cabbage.

We take special care to have our stock of Cabbage seed the very best, and we feel safe in recommending it as being of the very finest strain. We are sure that market gardeners who use our Cabbage seed once will call for it again.



Early Jersey Wakefield.

Extra Selected, Early Jersey Wakefield. Special strain of fine seed from the farms of one of the oldest and most reliable Cabbage Seed growers in the United States. Just the thing for market gardeners. The heads are of excellent quality, and of large size for so early a variety. Pkt. 5c; 1 oz. 25c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

Hendersons
Early Summer.

Henderson's Early Summer. About ten days later than the Jersey Wakefield. The head is round and the largest of the early kinds. The strain of seed has been greatly improved. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.



Succession.

Succession, or All Seasons. Medium early, heads large, round, slightly flattened; grows low on the stem and resembles the Early Summer. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.75.

Charleston, or Large Wakefield. A strain of Wakefield in which the plant is larger and later, the head larger and not so pointed. Pkt. 5c; 1 oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.50.

✓ Early Flat Dutch. A medium early kind. Heads large, round, slightly flattened. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.75.



Winnigstadt.

✓ Winnigstadt. A fine tender cabbage, excellent for summer; will do well for fall or winter if sown late. The best variety to sow in the late summer for growing plants to winter over in the cold frame. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.

✓ Henderson's Autumn King. Enormous solid heads, dark green in color, few outer leaves, which allows an unusually large crop to be grown per acre. Pkt. 5c; 1 oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.00.

✓ Vandergaw. A sure heading, quick growing flat Dutch sort. Equally good for mid-summer planting. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 65c; 1 lb. \$2.00.

✓ Stone Mason Marblehead. A large drumhead variety; sure to head, fine grained, tender, remarkably sweet and delicious. It is very hardy, enduring severe frost and easily kept all winter. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.75.

✓ Danish Ball Head. Very round, solid winter sort from Denmark. Pkt. 5c; 1 oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.40.

✓ Surehead. Large, round, tender and rich, with very few outer leaves, being nearly all solid. Stands a drought better than any other cabbage. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.75.



Premium Drumhead.

✓ Premium Drumhead. Extra Stock. A large and very popular variety for winter. Is unsurpassed for family or market gardening purposes. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.60.

✓ Fottler's Improved Brunswick. This is without exception the best Early Drumhead variety in the market and is used by the market gardeners to succeed the earliest varieties; also for a late crop. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.75.

✓ Drumhead

Savoy. Forms a large and compact head, very tender and excellent in winter; delicious, rich flavor. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.75.



Drumhead Savoy.

✓ Netted Savoy. This is the finest of the Savoy Cabbages, and a general favorite wherever it is known; of excellent flavor. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.75.

✓ German Filderkraut. Heads rather large and more pointed than the Winnigstadt, which it resembles. It is of excellent quality, and highly esteemed for making kraut. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.75.

✓ Premium Flat Dutch. Special Strain. The standard late variety. Produces large round heads. Flattened on top. Heads sure to form. Keeps well and is of excellent flavor, tender and sweet. Our



Premium Flat Dutch.

seed is the very best strain. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb., \$1.65.

✓ Red Dutch. Used for pickling. The heads are very fine and remarkably sure heading. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.75.

✓ Mammoth Rock Red. True. This is the best, largest and most reliable heading red cabbage. The head is large, round, solid, and of a deep red color. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 65c; 1 lb. \$2.00.

Carrot.

Three to four pounds of seed to the acre.

This vegetable succeeds best in rich sandy loam. For early crop sow in the spring. For late crops, sow until the middle of June. Sow in drills one inch deep and eighteen inches apart, thinning out to three or four inches.



No. 1—Danver's Half-Long.

No. 2—Long Orange.

No. 3—Scarlet Stump Rooted.

No. 4—French Forcing.

No. 5—Early Scarlet Horn.

No. 6—Ox-Heart.

Danver's Half-Long Orange. The best variety for general crop. It is of rich orange color and heavy yielder. A splendid keeper. Valuable for table use as well as for stock. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. 85c.

Chautenay. A stump-rooted variety having an unusually broad shoulder. One of the very best carrots for either private use or market garden. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.

Improved Long Orange. The old standard and popular variety. It grows to a large size, some specimens averaging twelve inches in length. Enormous crops can be grown under fair culture; among the best varieties for feeding stock. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.



Short White.

Short White. A half-long, smooth variety, very heavy at the shoulder and tapering regularly to the point. Flesh white, solid and crisp. A heavy cropper; profitable to grow for stock. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Large White Belgian. Roots very large and smooth; grown exclusively for stock-feeding. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c; 5 lbs. purchaser to pay express charges, \$2.00.

One ton of Carrots consumes 13 lbs. Potash, 2 lbs. Phosphoric Acid and 7 lbs. Nitrogen. We carry the fertilizers to replace these.

French Forcing. The best forcing variety. Red, small and round. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. \$1.00.

Early Scarlet Short Horn. Fine grain and flavor. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.

Ox-Heart or Half-Long Guerande. This carrot is one of the most valuable, either for family use or market. It is of extra quality and very productive. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. 80c.

Half-Long Scarlet Stump Rooted. A little later than the Horn varieties, but equal to them in grain and quality. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.

Nantes Half-Long. Stump-rooted and excellent for forcing. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.

Cauliflower.

One-half ounce of seed will produce 1,000 plants.

Sow for early about the middle of September or October, in a bed of clean, rich earth. Transplant into frames and cover with sashes and shutters during severe weather. If hardened off by exposure, they are seldom injured by planting as early as the ground can be properly prepared into a bed of the richest earth, two and a half feet apart each way.



Extra Early Snowball.

Extra Early Snowball. Extra Selected. The earliest and handsomest of all cauliflowers. This is unquestionably the best type of cauliflower yet produced. It excels all others in earliness. Owing to the short outer leaves, it can be planted as close as eighteen inches apart. It is equally good for late planting. Pkt. 10c; $\frac{1}{4}$ oz. 65c; 1 oz. \$2.50; 2 oz. \$4.00; $\frac{1}{4}$ lb. \$8.50.

✓ Early Snowball. Ordinary Strain. Pkt. 5c; 1 oz. \$1.00; $\frac{1}{4}$ lb. \$1.00.

✓ Early Paris. One of the popular white sure heading varieties. Pkt. 5c; 1 oz. 60c; 2 oz. \$1.00; $\frac{1}{4}$ lb. \$1.75.

✓ Extra Early Dwarf Erfurt. Extra Selected. Remarkable for reliability in heading. Scarcely a plant fails to produce a good head. Very dwarf, with solid, pure white heads of superior quality. One of the earliest. Pkt. 10c; $\frac{1}{4}$ oz. 65c; 1 oz. \$2.00; 2 oz. \$3.75; $\frac{1}{4}$ lb. \$6.00.

✓ Early Erfurt. Ordinary Strain. Pkt. 5c; 1 oz. 5c; $\frac{1}{4}$ lb. \$2.50.

Veitch's Autumn Giant. Vigorous in growth and very large. Pkt. 5c; 1 oz. 65c; 2 oz. \$1.20; $\frac{1}{4}$ lb. \$1.50; 1 lb. \$6.50.

✓ Large Late Algiers. A fine variety and one of the best for late use; the heads remain firm and solid for a long time. The best late Cauliflower for this section. Pkt. 5c; 1 oz. 75c; 2 oz. \$1.35; $\frac{1}{4}$ lb. \$2.50.



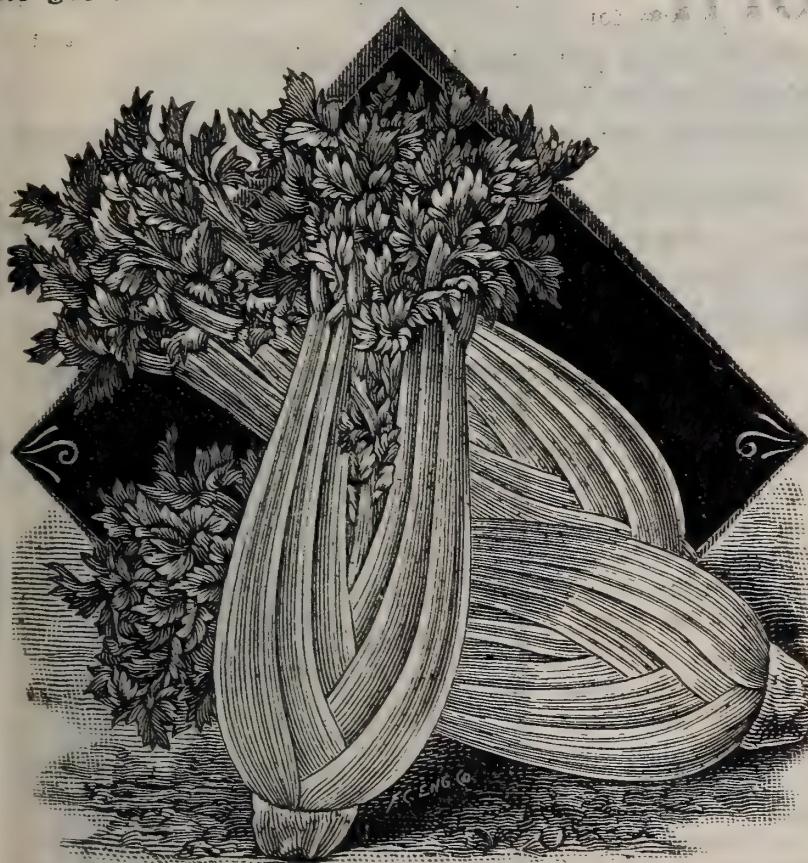
Large Late Algiers.

For Cauliflower Plants see Vegetable Plants.

Celery.

Three ounces of seed to 100 yards of row.

When two or three inches high, transplant to furrows; when eight to ten inches high, fill up the furrows, continuing at intervals to hill up until fully matured and blanched, taking care not to get earth between the stalks.



White Plume.

✓ White Plume. This is the earliest and most easily blanched Celery in cultivation and almost requires no banking. The stalk and the white inner leaves and heart are naturally white. Pkt. 5c; 1 oz. 70c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.75.

Pink Plume. The same as White Plume, except that the stalks are tinged with pink. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.75.

✓ Golden Self-Blanching. Close, compact, handsome; heart, beautiful golden yellow; ribs perfectly solid, crisp and well-flavored; excellent keeper. Pkt. 5c; 1 oz. 25c; $\frac{1}{4}$ lb. 90c; 1 lb. \$2.50.

✓ Golden Hearted. A variety of great value, splendid keeper, remarkable for its fine quality. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 45c; 1 lb. \$1.50.

✓ Giant Pascal. Large, rapid and vigorous grower, stalks easily blanched. Firm, crisp and tender; and of a beautiful golden tint. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.

✓ Kalamazoo. One of the best varieties. Half dwarf. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.50.

✓ Giant White Solid. One of the largest. A strong vigorous grower; crisp, tender and of good flavor. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.

Boston Market. A cluster of small stalks. Very fine flavor. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.

✓ Perfection Heartwell. The finest and largest of the winter varieties, either for the family or the market garden; of superior quality; heart, golden yellow. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.

Celery Seed for Flavoring. 1 lb., postage paid, 35c.

For Celery Plants see Vegetable Plants.

Chicory.

Large Rooted. This is the standard variety producing the largest and smoothest roots. The best known substitute for coffee. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 75c.

Celeriac.



Celeriac.

Celeriac, Turnip Rooted. Roots resemble turnips. This vegetable is esteemed in Europe for a salad. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c.

Giant Smooth Prague. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c.

Cress or Pepper Grass



Curled Cress.

Curled. The best variety. Upland. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Water. Should be sown near the edge of running streams. It has a very pleasant and agreeable taste. Perennial aquatic plant. Pkt. 5c; 1 oz. 30c.

Corn.

If ordered sent by mail, add 10 cents per pound for postage.

Two pounds of seed to 200 hills.

The Sweet or Sugar varieties, being liable to rot in wet or cold ground, should not be planted until the ground has become warm.

SUGAR OR SWEET.

Early Cory. The earliest sweet corn; the ears are much larger than any of the other varieties; quality very fine. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.00.

White Cob Cory. Similar to Early Cory, but has white cobs. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.00.



Crosby's Early. Excellent variety, and remarkably early. Ears of large size, medium length, sweet, rich and delicate. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.00.

Black Mexican. One of the sweetest and most desirable for family use. The corn when in condition for the table, cooks remarkably white and is very tender. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.25.

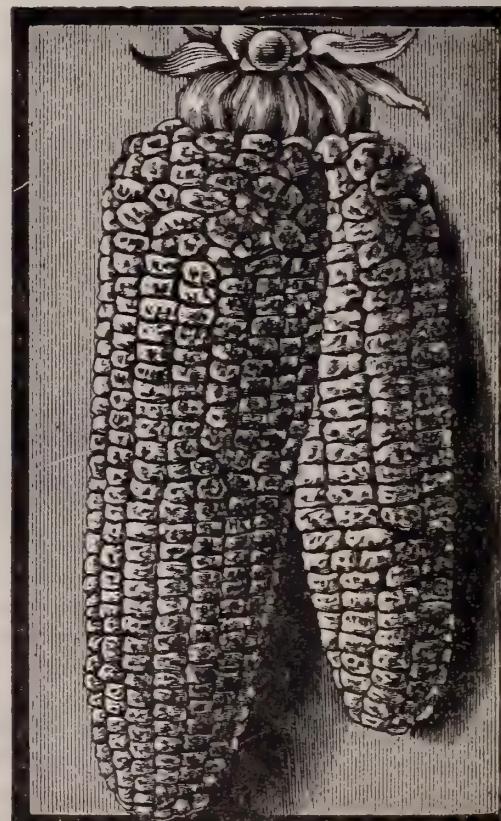
Country Gentleman. This is one of the newer varieties. The ears are from eight to nine inches long and from three to four of them are borne on a stalk. The plant is six feet high and medium early. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.00.

Early Adam's or Burlington. Not a sweet corn but white and tender, and extensively used for the table. 1 lb. 15c; 10 lbs. \$1.00.

Early Minnesota. One of the earliest kinds of Sweet Corn. The ears are of the best quality. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.00.

Mammoth Sweet. Produces the largest ears of any variety of sweet corn, and is among the sweetest. Very productive and of fine flavor. Is also valuable on account of its yield of stalks for fodder. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.00.

Mammoth White Cory. Very large and as early as the earliest. 12-rowed, white cobbed. Pkt. Minnesota. 10c; 1 lb. 15c; 10 lbs. \$1.25.



Mammoth Sweet.

Stowell's Evergreen. Remarkable for remaining a long time in a fresh condition, suitable for the table. Hardy and productive, and the best late variety for general use. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.00.

Kendal's Early Giant. Very early and yet the ears grow to a remarkable size, measuring 8 to 10 inches, white cobs and kernels, sweet and tender, good eating qualities. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.00.

Old Colony. Fine, large ears, one of the best for growing west of the Cascade mountains. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.00.

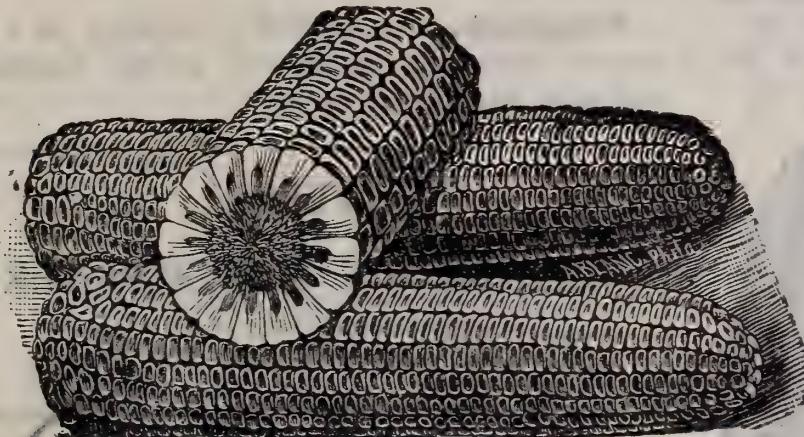
FIELD VARIETIES.

Early White Flint. Productive, early, and of beautiful appearance. 1 lb. 10c; 10 lbs. 50c.

White Cap Yellow Dent. This Corn combines more solid merit than any other, being suitable for all climates and soils where corn can be expected to grow. Ears large and mature early. 1 lb. 15c; 10 lbs. 50c.

Early Canada (Flint). Also known as the Yellow Flint. A rapid growing early yellow kind. 1 lb. 10c; 10 lbs. 50c.

King Philip. A very early variety for field corn. Ears ten to twelve inches long, eight-rowed, large reddish kernels. 1 lb. 10c; 10 lbs. 50c.



Pride of the North.

Pride of the North. A very early Dent variety, ripening with the Flint sorts, and can be grown as far north as any other variety of Dent corn. Stalks small with broad leaves. Ears short, twelve to sixteen-rowed, well filled. Grain long, yellow, making an extra quality of meal. 1 lb. 10c; 10 lbs. 50c.

Leaming. (Early.) An early selected variety of Yellow Corn, small grain, weighty, productive. 1 lb. 10c; 10 lbs. 50c.

Champion White Pearl. A large, white, late Dent variety, pearly white kernels. 1 lb. 10c; 10 lbs. 50c.

Sweet Fodder. One of the best for green feed. 1 lb. 10c; 10 lbs. 60c.

POP CORN.

Rice. One of the best, handsome and popular varieties. Ears short, kernels long, pointed, and resembles rice; color white. 1 lb. 15c.

Small White. 1 lb. 15c.

Pop Corn for popping. 1 lb. 10c; 3 lbs. 25c.



Stowell's Evergreen.

BROOM CORN.

Requires soil and culture similar to corn, but to obtain the best quality of brush, the land should be rich and well and deeply cultivated. Usually planted in drills three and a half feet apart, and thinned to four to six inches apart in the row.

Improved Evergreen. An improvement on the Common Evergreen. The result of many years' careful selection. Does not grow as tall as the old variety. The brush is fine and of a light green tint. Pkt. 5c; 1 lb. 15c; 10 lbs. \$1.00.

It will pay you to give this a trial.

Chervil.

Sow at any time in the spring in shallow drills one foot apart, in well-prepared ground.

Curled. The leaves are used for flavoring soups and stews, and for garnishing, same as parsley. Pkt. 5c; 1 oz. 15c; 1/4 lb. 30c; 1 lb. 90c.

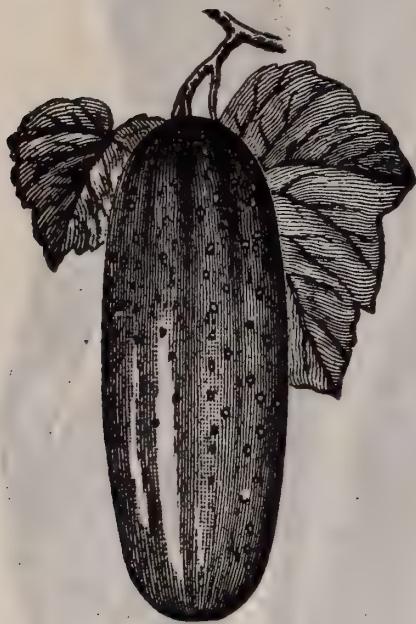
We carry Lee's Lice Killer, Flyo-Curo, and other Supplies.

Cucumber.

One ounce of seed to 75 hills.

Cucumbers succeed best in warm, rich, loamy soil. As soon as the weather becomes warm and settled plant in hills four to six feet apart each way.

Cool and Crisp. One of the newer varieties. The fruit is long, dark green, with white spines. The flesh is crisp and tender. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 55c.



Peerless White Spine.

Early Russian. The earliest and hardiest productive variety. The fruit is of small size and produced in pairs. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 55c.

Early Frame or Short Green. A good old popular variety, of medium size, straight and excellent for table use or pickling when young. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Chicago, or Westerfield Pickling. Fruit of medium length, very prolific, and inclined to be a little pointed at both ends, with large and prominent spines. Color, deep green. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 55c.



Chicago Pickling.



Boston Pickling.

Boston Pickling. The best short pickling variety, of fine form and flavor; enormously productive. Largely used by the pickle factories in this section. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 55c.

Peerless White Spine. Even in shape at both ends and uniform in size and color. In demand for pickling; also a fine market and table sort. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Early Cluster. A productive early variety. The fruit which is not large is borne in clusters, and is crisp and of excellent flavor. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Improved Long Green. The leading long green variety for pickling; of excellent quality and productivity; fruit dark green, firm, and crisp; one of the best for slicing green. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 55c.

Japanese Climbing. The vines are healthy and vigorous and their strong tendrils enable them to climb poles or fences. Quality excellent either for pickling or slicing. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.25.

Small Gherkin or Burr. Also known as the West India, or Jerusalem Pickle; used for pickling while young and tender. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 85c.

Telegraph. For forcing in hotbeds. Is a free bearer; long and extensively grown; handsome. Per seed 2½c; 100 seeds \$2.00.



Long Green.

...FEED...

GROESBECK'S EGG PRODUCER

It will Make Money for You.

Egg Plant.

Should be started in a hot-bed and transplanted when the weather is settled and the ground thoroughly warm. They will thrive with the same treatment as that given the tomato.

Early Long Purple. The earliest and hardiest, very productive; fruit from 6 to 10 inches long. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.



New York Improved, Large Purple. The leading market variety. Large, round, dark, excellent, and the most productive. Pkt. 5c; 1 oz. 40c; $\frac{1}{4}$ lb. \$1.00.

Black Pekin. Oval round, of medium size, very dark, glossy and handsome. Pkt. 5c; 1 oz. 30c; $\frac{1}{4}$ lb. \$1.00.

For Plants, see Vegetable Plants.

Endive.

This is a hardy vegetable, cultivated principally for a winter salad. Sow from May until August for a succession of crops, tie the leaves closely together to blanch them.

✓ Green Curled. Standard sort for fall and winter. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.35.



Endive.

✓ White Curled. A beautiful variety with curled mossy leaves, for early use. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.40.

Broad Leaved Batavian. (Escharolle.) Has broad, thick leaves which form a large, loose head. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.25.

Kohl Rabi.

A vegetable intermediate between the cabbage and turnip. Sow in spring in rows 24 inches apart, afterwards thinning the plants to 8 or 10 inches. When the thickened stem above ground is 2 or 3 inches through, they are fit to eat and should be used at once, being tough when old. They are cooked same as turnips.

✓ Early White Vienna. Handsome and delicate white bulb. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c.

✓ Early Purple Vienna. Purple ball. A good kind. Pkt. 5c; 1 oz. 25c; $\frac{1}{4}$ lb. 75c.



Kohl Rabi.

Kale or Borecole.

While this vegetable may be grown in almost any soil, yet the richer the soil the larger the crop. Not desirable until touched by frost. Cultivate the same as cabbage.

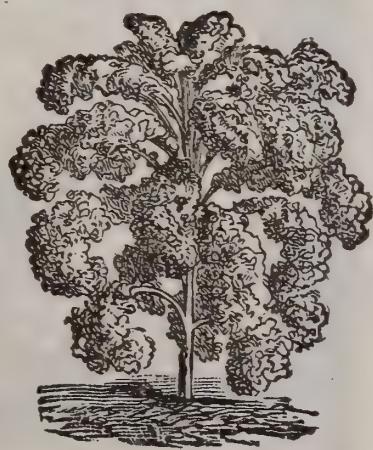


Dwarf Curled Kale.

✓ Dwarf Green Curled Scotch. Leaves yellowish green, very compact and beautifully curled. Best strain. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. \$1.00.

✓ Tall Scotch Curled. Bright green, spreading and beautifully curled. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. \$1.00.

✓ Siberian. (German Greens.) A variety extensively grown for winter greens. It is uniformly dwarf, green curled. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. \$1.00.



Tall Scotch.

1000 Head Kale. An old English variety, prolific. Pkt. 5c; 1 oz. 10c.

BOOKS

Do not overlook the importance of having a first-class agricultural book for reference.

Leek.

The Leek belongs to the onion family. Prized for soups. Cultivation similar to that of onions, but hill up about the neck to blanch it.

✓ Large Rouen, or American Flag. A favorite large American market sort. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.

✓ Monstrous Garenton. Rather larger than the Flag, but very tender and mild on account of its rapid growth. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.



Large Rouen Leek.

Lettuce.

Two ounces of seed to 100 yards of row.

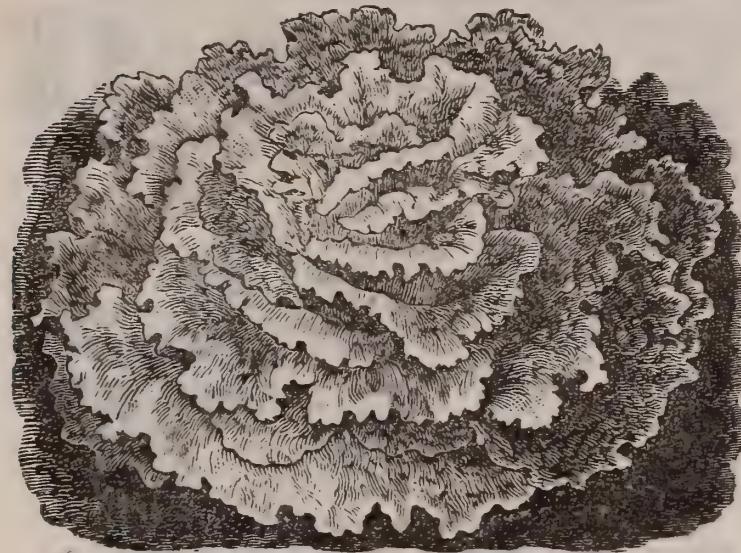
Lettuce thrives best in good, rich, moist ground, and is a universal favorite, is almost free from insects and disease, which makes it of easy culture to every one. For successive crops, sowings may be made in open ground as early as the spring opens and continued until July.



Hansen's Head.

✓ Hansen's Head. The leading curled heading variety, of large size, sweet, tender and crisp, even to the outer leaves. Free from any bitter taste, either for summer or forcing. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.

✓ Early Prize Head. Heads of mammoth size. Remains tender and crisp throughout the season. Very hardy. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.



Simpson's Early Curled.

✓ Simpson's Early Curled. A leading early market variety. Forms a dense mass of finely-curved and wrinkled leaves that are excellent and tender and do not wilt readily. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.



Simpson's.

Summer White Cabbage. A splendid variety for spring or fall market, producing large, solid heads which blanch to a beautiful white; crisp and fine flavored. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 35c.

✓ All Seasons. A magnificent new variety forming solid heads of enormous size, almost as large as a Flat Dutch Cabbage, very tender. It is slow to seed, and is one of the very best all-head sorts ever introduced. Exceedingly profitable for market gardens. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.

✓ Philadelphia Butter. Fine for forcing; solid. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.



Tennis Ball.

✓ Early Tennis Ball, Black Seeded. Well-formed heads, hardy and crisp, of excellent quality. One of the earliest of the heading varieties. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.

QUALITY Our First Consideration

To that alone is due the success of our steadily increasing business.

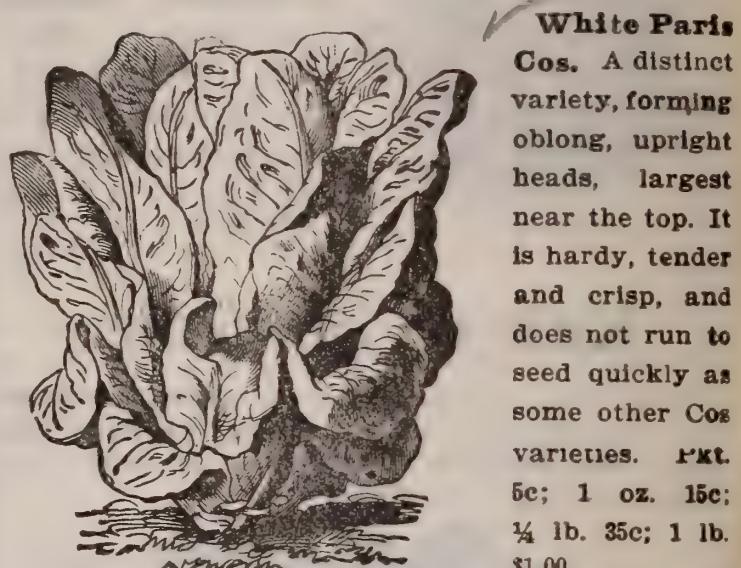
OUR AIM IS TO PLEASE.

✓ Yellow-Seeded Butter. Dense yellow heads; crisp and tender. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.

✓ Tilton's White Star. Forms a large, loose head of excellent quality which blanches well. The leaves are broader, thicker and darker than the Black Seeded Simpson, and it grows larger and more rapidly. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.

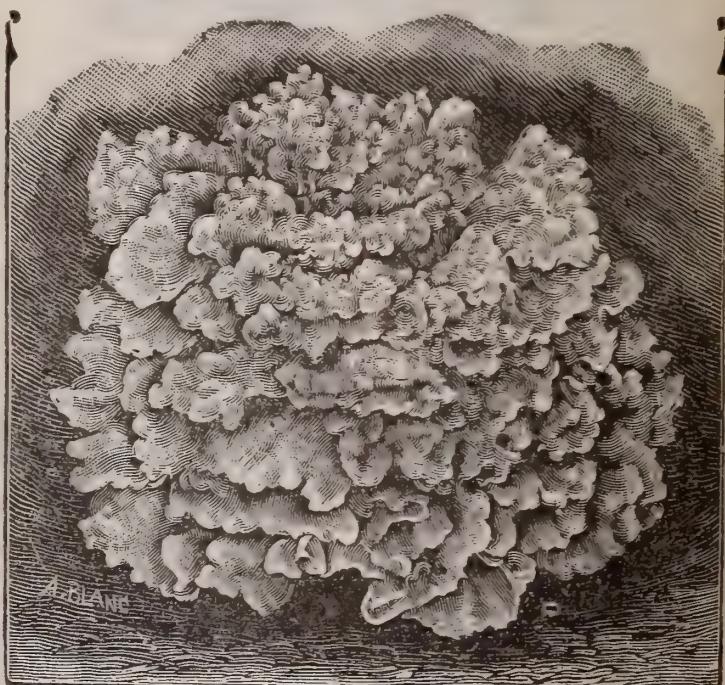
✓ Denver Market. The special characteristic of this sort is that it has a beautiful, curled, Savoy-like leaf which gives it a very attractive appearance. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.

✓ Brown Dutch. Forms a large, solid head, sweet, tender and of good flavor. Outer leaves tinged with brown. Very hardy. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 30c; 1 lb. \$1.00.



Paris White Cos.

The Morse. White seeded, new and one of the finest varieties for forcing in either cold-frame or hot-house. A trial will prove its merits. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.



Grand Rapids.

✓ Grand Rapids Forcing. Large, tender heads; more extensively used for early forcing than any other variety. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.

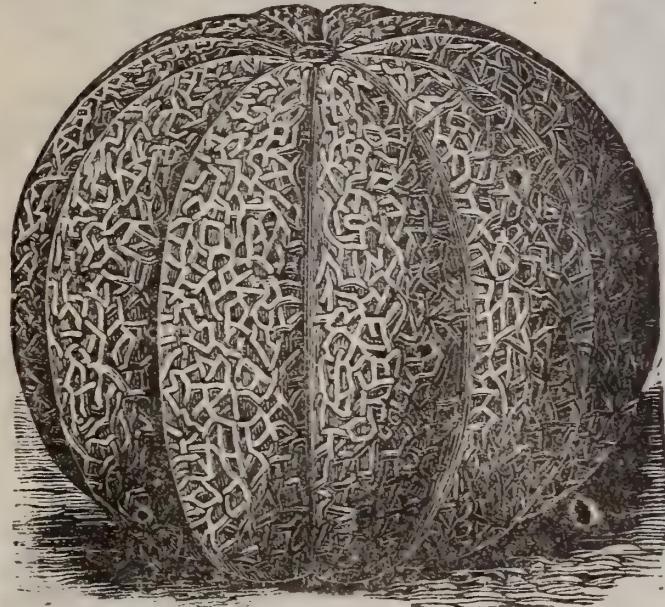
Melon==Musk.

One ounce of seed to 75 hills.

Melons thrive the best in a light, enriched soil. Plant early when danger of frost is past and the ground has become warm and dry, in hills six feet apart each way. Be careful not to plant pumpkin or squashes near them, as they will hybridize.

GREEN FLESHED.

Early Baltimore, or Acme. A good sized, oval round, very desirable variety. The flesh is thick, highly flavored and sweet. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.



Extra Early Hackensack.

Extra Early Hackensack. One of the most popular varieties of Muskmelon grown by market gardeners. It attains a large size, is round in shape, and flattened at the ends. Is of a most delicious flavor and wonderfully productive. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Small Green Nutmeg. From the uniformity in size, it is a very profitable variety for field culture for the market; shaped round, medium size, flattened at each end, heavily netted. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Jenny Lind. Small, but very early and of good quality. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Rocky Ford. Grown largely in Colorado and shipped in carload lots all over the country. Nutmeg shape, small to medium in size, pale green and finely netted. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

Cosmopolitan. A new variety. Firm, sweet and uniformly high-flavored. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.



Montreal Nutmeg.

oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Casaba. Of extraordinary size and delicious flavor, usual weight from twelve to fifteen pounds. Late, oval and netted. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Osage, or Miller's Cream. The finest-flavored melon in cultivation, and the best melon grown for the market gardener, for the trucker, for the farmer, for the small planter. Without question, the sweetest of all melons. The flesh is of a rich salmon color, very sweet and melting in quality. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Orange, Christiana. Very large, green skin; yellow flesh, delicious flavor, and is an excellent melon. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Large Yellow Canteloupe. An oval variety, good sized; skin yellow, marbled with green; flesh salmon colored, sweet, highly perfumed and of good flavor; early and productive. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 55c.

Emerald Gem. Fruit medium sized, slightly flattened at the ends. Flesh deep salmon, yellow, highly flavored. One of the leading varieties. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

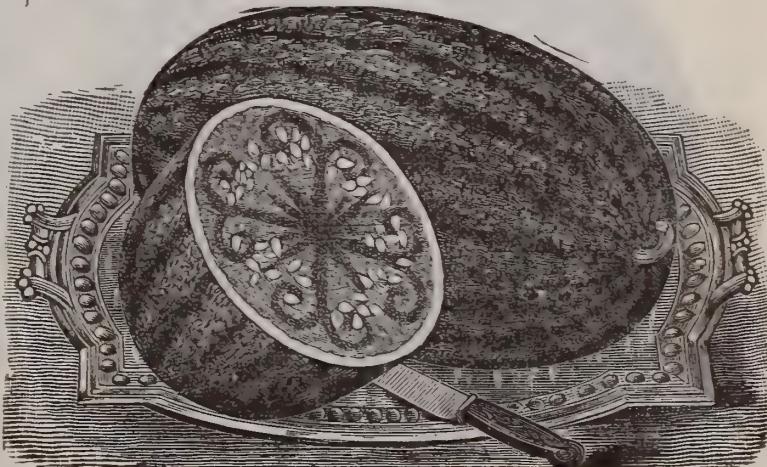
Paul Rose, or Petosky. This new musk melon is a cross between the two well-known favorites Osage and Netted Gem, combining the rich sweetness of the former with the fine netting of the Gem. The flesh is salmon in color with a fine, close grain. The rind though thin is very firm which with its peculiar structure of flesh makes it one of the best shipping and keeping melons on the market. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 80c.

Melon==Water.

One ounce of seed to 30 hills.

Ice Cream, or Peerless. Skin light mottled green; flesh bright scarlet, solid, crisp, melting and exceedingly sweet. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Hungarian Honey. A very early sort from Hungary. Fine for northern latitudes. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

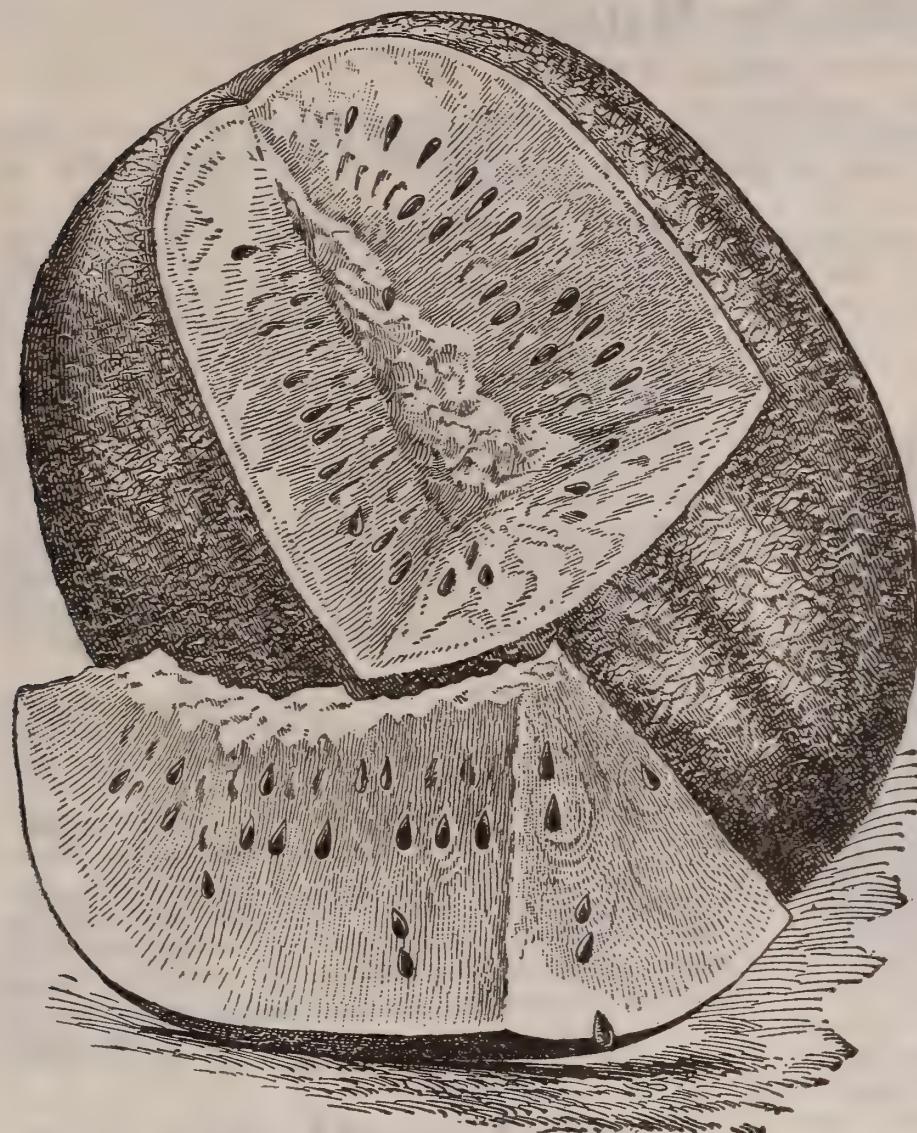


Phinney's Early.

Phinney's Early. Very early, keeps well; sweet, tender and well flavored. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

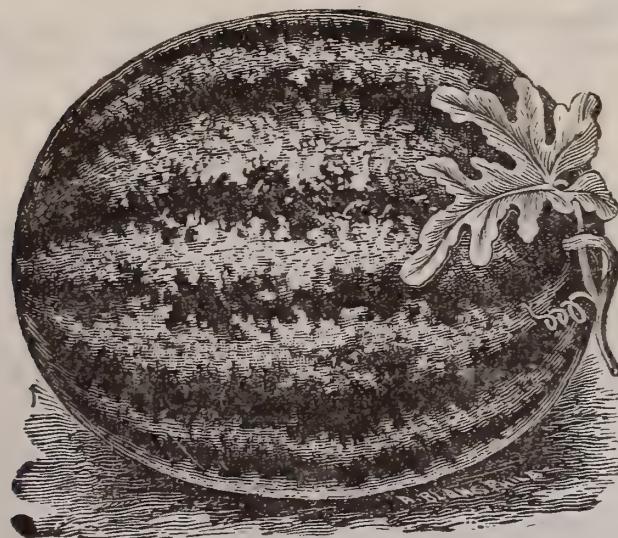
Dark Icing. A distinct variety, resembling in size and shape the Ice Cream or Peerless. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Light Icing, or Jordan's Gray Monarch. Very large. Considered by many the best melon grown. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.



Sweet Heart.

✓ **Sweet Heart.** Early, large bright skin. Flesh bright red, firm, solid, but very tender, melting and sweet. A long keeper and splendid shipper. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.



Cole's Early.

✓ **Cole's Early.** The finest early; medium size, round and striped skin. It matures in every State; very hardy; flesh of deep red, sweet and delicate flavor. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

✓ **Kolb's Gem.** Uniformly round and grows to a good size, often attaining a weight of 25 to 40 lbs.; flesh bright red and flavor excellent. It is unsurpassed as a shipping melon. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

✓ **Georgia Rattlesnake.** One of the largest varieties, and stands shipment long distances. Fruit smooth, distinctly striped and mottled light and dark green. Flesh bright scarlet and very sweet. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

✓ **Mountain Sweet.** Thin rind, flesh red, solid, rich and sweet. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

✓ **Black Spanish.** Large, round, very dark green skin; flesh red, sweet and delicious. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

✓ **Kentucky Wonder.** Oblong in shape, beautiful scarlet, crisp and not tough, rich and sugary flavor. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

✓ **Citron Red-Seeded.** For preserving. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

The MANN Bone Cutters are Unequalled

and there are more in use to-day in the United States and throughout the world than all other makes combined.

This fact Indicates merit.



Cuban Queen.

✓ **Cuban Queen.** The flesh is dark red and of excellent flavor. It has a very tough rind, and carries in good condition without breakage. One of the largest varieties grown. Pkt. 5c; 1 oz. 7c; $\frac{1}{4}$ lb. 15c; 1 lb. 50c.

Martynia.

A strong growing, hardy annual. Highly prized for pickling. Pkt. 5c; 1 oz. 30c; $\frac{1}{4}$ lb. \$1.00.

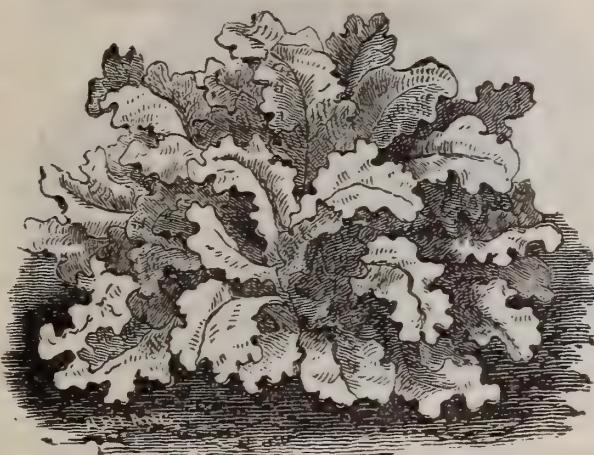
Nasturtium.

Tall Mixed. Useful and ornamental; flowers of various colors. The green seed-pods are pickled in vinegar. The flowers are used for garnishing. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 30c.

For other varieties see Flower List.

Mustard.

Used alone as "greens," or with cress as salad. Sow any time in the spring, in rows, and thin out as necessary.



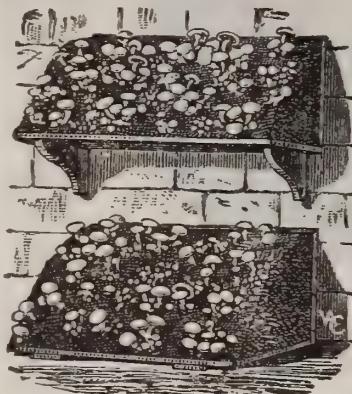
Giant Curled Mustard.

Southern Giant Curled. We offer a fine strain of the true curled-leaf variety of the South for planting in the fall, to furnish an early spring salad. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 70c.

White English. Leaves mild, tender when young, and generally preferred for salad. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 15c; 1 lb. 30c.

Mushroom Spawn.

With intelligent care and good spawn, Mushrooms may be made to pay handsomely. They can be successfully grown in a dry cellar, under the benches of a green house, or in sheds, where the temperature can be kept from 50 to 60 degrees through the winter.



Mushrooms.

French. Mushrooms obtained from this spawn are very highly esteemed. In 3-lb. boxes, per box \$1.50.

English. In bricks, 30c per lb., postpaid; by express, 20c per lb.

Okra or Gumbo.

Improved Dwarf Green. Very early, with long green slender pods. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

White Velvet. The pods are smooth or very slightly ribbed, large, remain tender a long time. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 25c; 1 lb. 65c.

Onion.

If ordered by express or freight, deduct 10c from single pound price.



Oregon Yellow Danvers. This improved variety is pronounced by all onion growers who have tried it the best strain of Yellow Danvers in cultivation. It is the earliest, largest in size, most perfect in shape, the largest cropper and the best keeper, and as a market or table onion cannot be excelled. Our seed is grown from selected bulbs by one of the most experienced onion growers in Oregon. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.75.

Yellow Danvers. The old standard variety. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.40.

Yellow Globe Danvers. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.

Yellow Strasburg, or Dutch. Grows very large and flattened, of a dark rich color. Bulbs ripen quite early with flesh of mild flavor. One of the very best to grow for sets and keeps well. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.

Mammoth Silver King. An immense white onion, mild flavor. Very showy and attractive in appearance. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

Giant Rocca. Light red, of immense size. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

White Globe. A handsome globe-shaped variety. A good keeper. Pkt. 5c; 1 oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.25.

Beware of Cheap Onion Seed.

✓ Extra Early Barletta. A small onion of a pure paper-white color, very mild and delicate in flavor. Valuable for table use and for pickling. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.



Red Wethersfield.

✓ Large Red Wethersfield. Round, good size, productive, keeps well. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.

✓ Early Large Red Globe. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.25.



Early Flat Red.

✓ Extra Early Flat Red. About ten days earlier than the Wethersfield, mild flavor; excellent keeper. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.



Small Queen.

✓ Prize-Taker. An immense, globe shaped, bright straw colored variety. Probably the largest globe variety known, and in quality one of the best. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.75.



Prize-Taker.

✓ White Portugal, or Silver Skin. A good variety for family use; skin and flesh pure white; mild flavor and flat shape. The best white onion; also grown largely for sets. Pkt. 5c; 1 oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.50.



A. BLANC

Australian Brown. A new Onion from Australia, noted for being early and for its good keeping qualities; it is a beautiful yellowish-brown in color and of good size. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.65.

Onion Sets.

If ordered by mail, add 10c per lb. for postage.

Bottom Onion Sets. Grown from black seed. Plant early in the spring in shallow drills twelve inches apart and four inches apart in the drills, and they will produce small green onions for the table in a short time. Either yellow, red or white. 1 lb. 15c.

Top Onions. These do well, either for a small bunch or for large onions. 1 lb. 15c.

Multipliers. Grown for the Green-top. 1 lb. 20c.

Shallots. 1 lb. 20c.

Chives. (German Snittlach.) A delicate little plant belonging to the onion family, being perfectly hardy and coming quite early in the spring 20c per bunch, postpaid.

Garlic. The Garlic is the most pungent in the taste and has the strongest odor of all the onion family. Bulbs, per lb., 15c.

Parsley.

Two ounces of seed to 100 yards of row.

Used for garnishing and seasoning soups, meats, etc. Succeeds best in a mellow, rich soil. Sow thickly, early in April in rows one foot apart and one-half inch deep; thin out the plants to stand six inches apart in the rows.

✓ Champion Moss Curled, or Fern Leaved. Leaves bright green, beautifully curled and crested, like fern or moss; nothing better for garnishing could be desired. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.



✓ Triple Curled. A fine free-growing, but not a large variety. The leaves are bright green, and the plant is very hardy. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

✓ Hamburg, or Turnip Rooted. A fleshy-rooted kind; the roots used for flavoring soups. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Pumpkin.

Ground should be rich. Leave only one or two vines in a hill. When the soil and climate are favorable, they are a profitable crop for feeding purposes.

✓ **Connecticut Field, or Large Yellow.**

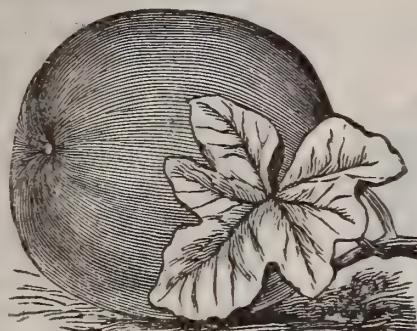
A good pumpkin. Grown principally for feeding stock. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 15c; 1 lb. 40c.

✓ **Sweet, or Sugar.**

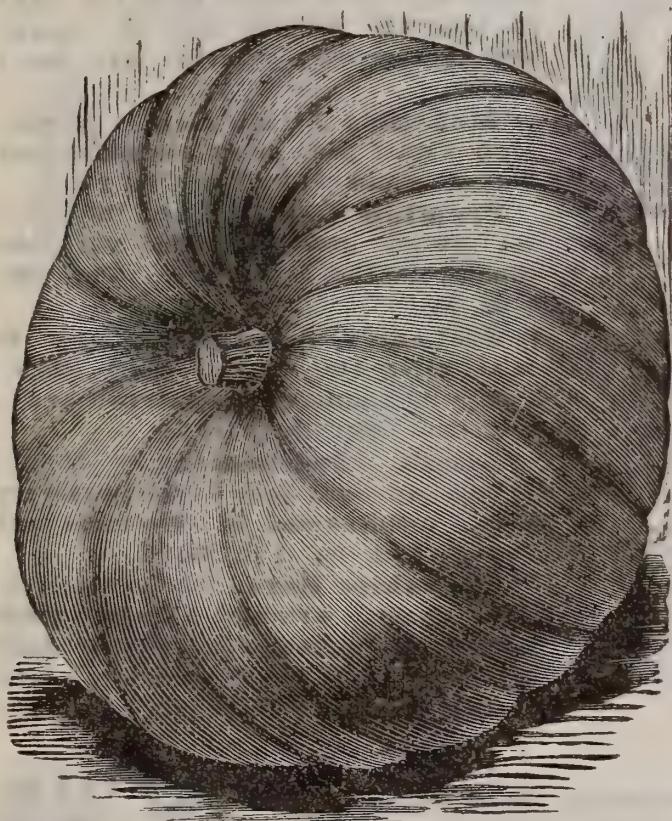
Round, not large, but very sweet, an excellent table variety. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

✓ **Mammoth Tours.** A productive French variety which grows to an enormous size. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. \$1.00.

Cushaw, or Crookneck. Large, productive, fleshy and excellent. Color light cream. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 55c.



Connecticut.



Large Cheese.

✓ **Large Cheese.** Large, oval shaped, mottled light green and yellow; flesh very thick; sweet and nutritious. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

✓ **Winter Luxury.** This is an improvement of the old, well-liked Sugar Pumpkin and is admitted by all who have grown it to be the very best pie pumpkin on the market. Its size is uniformly about nine to ten inches in diameter; good winter keeper. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

✓ **Tennessee Sweet Potato.** Pear-shaped, flesh thick, cream white, fine grained, and of excellent flavor. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

— **New Japanese Pie.** Similar in size and in form to the Cushaw, but the skin is a deep green, with darker stripes, turning to a rich golden yellow when ripe. Seeds are marked with characters similar to the Chinese alphabet. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Pepper.

Three ounces of seed to 100 yards of row.

Sow in drills on a warm border, late in spring or commencement or summer, and thin them to stand sixteen to eighteen inches apart; or they may be sown early in the season in a hot bed, or flower pot, and transplanted.

✓ **Large Bell, or Bull Nose.** Early glossy, red, very large and mild. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c.



Large Bell, or Bull Nose.

✓ **Red Cayenne.** The variety sold in the market; small and pungent. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c.

✓ **Chili.** Small, used in pickles and pepper sauce. Pkt. 5c; 1 oz. 25c; $\frac{1}{4}$ lb. 75c.



Golden Dawn.

✓ **Large Squash.** Red, productive, and much used for pickles. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 75c.

Parsnip.

Three ounces of seed to 100 yards of row.

Sow as early in the spring as the weather will admit, in drills fifteen inches apart and one-half inch deep, in a rich, well-manured soil, deeply dug. Cultivate similarly to carrots. Valuable for feeding stock as well as for table use.

✓ **Large Sugar, or Hollow Crown.** The best variety in cultivation; roots long, very smooth, white, tender, sugary and of excellent quality. Pkt. 5c; 2 oz. 15c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.



✓ **Improved Guernsey.** A greatly improved and wonderfully fine strain of Guernsey Parsnip. The roots do not grow so long as the Hollow Crown, but are of greater diameter and more easily gathered. Pkt. 5c; 2 oz. 15c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

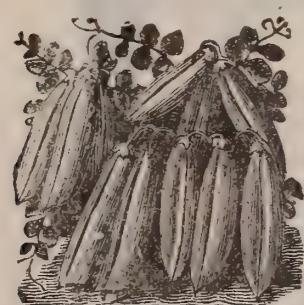
Peas.



Nott's Excelsior.

✓ ***Nott's Excelsior.** A splendid variety. Perhaps the most valuable of all the dwarf early wrinkled peas. Unsurpassed in earliness, yield and quality. Pkt. 10c; 1 lb. 20c.

✓ ***Gradus.** A new English variety, and one of the hardest, early sweet wrinkled peas. Productive, delicious and cannot help to commend itself to all lovers of peas. Pkt. 10c; 1 lb. 25c.



American Wonder.

✓ ***American Wonder.** One of the earliest and most productive dwarf wrinkled peas in cultivation; requires no brush and is the most exquisite flavor. The vines grow eight or more inches high, according to the soil and season. Pkt. 10c; 1 lb. 20c.

If ordered sent by mail, add 10c per lb. for postage.

One quart of seed to 100 feet of drill.

Peas mature earliest in a light, rich soil; for the general crop a moderately heavy soil is best. Commence sowing the early varieties as soon as the ground can be worked,

The wrinkled varieties are more susceptible to cold, wet weather than the small, round, hard sorts, hence should not be planted very early except in warm, dry locations. They are sweeter and better flavored.

✓ **Alaska.** Extra early, and very uniform in growth, combined with its earliness and uniformity of ripening, makes it one of the most desirable extra early peas for market gardening; height, two feet. Pkt. 10c; 1 lb. 15c.

✓ **First and Best.** Very early. One of the best for market gardeners, as the whole crop ripens in a few days so that the ground may be cleared and another crop planted. Pkt. 10c; 1 lb. 15c.

✓ ***McLean's Little Gem.** A very early dwarf pea; green, wrinkled and very delicious. Pkt. 10c; 1 lb. 20c.

✓ **Premium Gem.** One of the earliest dwarf green wrinkled varieties. Similar to the Little Gem. Pkt. 10c; 1 lb. 20c.

✓ ***McLean's Advancee.** Come in next after the Gems. Used extensively by canners. Height two and a half feet. Pkt. 10c; 1 lb. 20c.

✓ **Bliss's Everbearing.** Height about two feet; pods long, peas very large, unsurpassed in sweetness and flavor. Pkt. 10c; 1 lb. 20c.

✓ ***Yorkshire Hero.** One of the largest, sweet, wrinkled kinds; vines strong and spreading, pods of good size and well filled, medium late, height two and a half feet. Pkt. 10c; 1 lb. 15c.

✓ ***Veitch's Perfection.** Large wrinkled, popular and very productive; needs no sticks. Best variety for general crop in family garden. Pkt. 10c; 1 lb. 15c.

✓ ***Champion of England.** A leading late, sweet wrinkled pea, among the tall varieties. Pkt. 10c; 1 lb. 20c.

LATE VARIETIES.

✓ ***Telephone.** Peas large, wrinkled, very sweet; pods enormous and well filled; height four feet. Pkt. 10c; 1 lb. 20c.

✓ **Dwarf Sugar Edible Podded. (Gray Seeded.)** One of the best edible podded kinds. Early; peas large, tender and very sweet. Pkt. 10c; 1 lb. 25c.

✓ **Melting Sugar.** It grows to the height of five feet, bears a profusion of large, broad pods. Pkt. 10c; 1 lb. 20c.



V. Perfection.

Black-Eyed Marrowfat. A good Marrowfat pea; yields heavy; height three feet. Pkt. 10c; 1 lb. 15c; 10 lbs. \$1.00.



Stratagem.

***Stratagem.** Select. Vines not large but of vigorous growth, producing a heavy crop; beautiful long pods, well filled with large peas of good quality; two feet high. Pkt. 10c; 1 lb. 20c.

Varieties marked (*) are wrinkled.

For Field Varieties see Field Seeds.

Potato.

Briggs' Extra Early. (Originated in Oregon.) Very early. Large, smooth, fine quality; flesh white. By mail, 1 lb. 20c; 3 lbs. 50c; by express or freight, 1 bu. \$1.75.

Rural New Yorker No. 2. A splendid medium early potato; eyes very few and shallow; skin and flesh pure white; splendid table variety and immense yielder. By mail, 1 lb. 20c; by freight, 1 bu. \$1.50.

Sir Walter Raleigh. One of the handsomest potatoes grown. Their cooking qualities are superior—white, dry and floury. Luxuriant, healthy growers, free from disease, blight, scab or rot. Shape and size are wonderfully uniform. By mail, 1 lb. 20c; 3 lbs. 50c; by freight, 1 bu. \$1.75; peck, 50c.

Early Sunrise.

One of the very finest of the early varieties. By mail, 1 lb. 15c; by freight, per bu. \$1.50; peck, 50c.



Uncle Sam. Possesses many very desirable qualities. When cooked is pure white and very attractive. By mail, 1 lb. 20c; by freight, 1 bu. \$1.50; peck, 50c.

Carman No. 1. A very fine second early variety. By mail, 1 lb. 20c; 3 lbs. 40c; by express or freight, 1 bu. \$1.50; peck 50c.

Early Rose. The old standard early potato, too well known to need any description. By mail, 1 lb. 15c; by freight, per bu. \$1.25; peck 40c.

Peerless. Large size, very productive, good quality, white skin and flesh. Excellent for general crop. By mail, 1 lb. 20c; by express or freight, 1 bu. \$1.50.

Write for prices on larger quantities.

The market frequently charges and we can often make better prices than list.

The use of our Vegetable Fertilizer or Land Plaster will double your potato crop.

TRY IT.



Radish.

Six ounces of seed to 10 yards of row.

Radishes thrive best in a light, rich, mellow soil. For very early use sow in sheltered borders as soon as the ground can be worked. The winter varieties should be sown in July and August.



Early Long Scarlet
Short Top.

USE INTERNATIONAL EGG FOOD.

It makes Hens lay
more eggs.

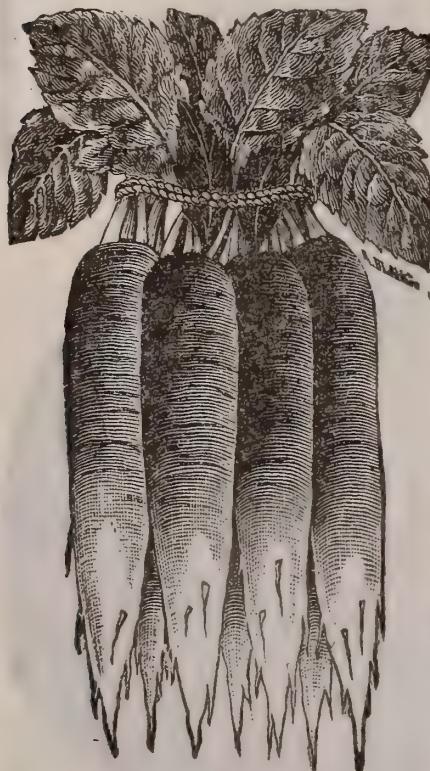
✓ Early Long Scarlet Short-Top. The standard family and market gardeners' variety. Pkt. 5c; 1 oz. 10c; ¼ lb. 20c; 1 lb. 50c.

✓ Early Long Brightest Scarlet. Pkt. 5c; 1 oz. 10c; ¼ lb. 20c; 1 lb. 60c.

✓ Half-Long, Deep Scarlet. A handsome variety resembling somewhat the Olive-Shaped, but of a deeper scarlet. Good for forcing. Pkt. 5c; 1 oz. 10c; ¼ lb. 20c; 1 lb. 55c.

✓ Glass Radish. It is a long Radish, of light pink color, white tipped of uniform size. The flesh is transparent white, always crisp and brittle, even if grown to a large size, and mild flavored. Pkt. 5c; 1 oz. 10c; ¼ lb. 25c; 1 lb. 65c.

✓ White Strasburg. A very desirable summer variety. Both flesh and skin pure white. Pkt. 5c; 1 oz. 10c; ¼ lb. 25c; 1 lb. 60c.



Improved Chartier.

Golden Globe, or Summer. Pkt. 5c; 1 oz. 10c; ¼ lb. 20c; 1 lb. 65c.

✓ Improved Chartier. Of rapid growth. Soon ready for the table, remaining crisp and tender until fully grown. Color, scarlet above, shading into white at the tip. Flesh white and mild flavored. Pkt. 5c; 1 oz. 10c; ¼ lb. 20c; 1 lb. 55c.

✓ Lady Finger, or White Vienna. Crisp and tender in summer. Pkt. 5c; 1 oz. 10c; ¼ lb. 25c; 1 lb. 65c.

✓ Early White Turnip. Similar to Scarlet Turnip, except in color. Pkt. 5c; 1 oz. 10c; ¼ lb. 20c; 1 lb. 50c.

✓ Scarlet Turnip, White Tipped. Similar to the Scarlet Turnip-rooted, only that the under side of the bulb and tap-root is white. Pkt. 5c; 1 oz. 10c; ¼ lb. 20c; 1 lb. 60c.

✓ Early Scarlet Turnip. A small round, scarlet, turnip-shaped, small-topped variety, of quick growth, mild and crisp when young. Pkt. 5c; 1 oz. 10c; ¼ lb. 20c; 1 lb. 50c.



Scarlet Turnip, White Tipped

✓ French Breakfast. Oblong shaped, rapid growth, very mild and tender. Pkt. 5c; 1 oz. 10c; ¼ lb. 20c; 1 lb. 50c.



French Breakfast.

WINTER VARIETIES

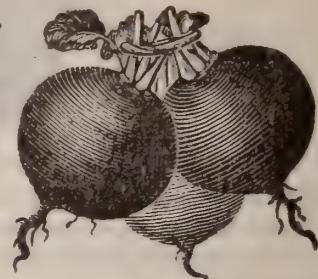
✓ China Rose Winter. One of the best winter varieties. A general favorite. Flesh white, firm and of superior quality. Pkt. 5c; 1 oz. 10c; ¼ lb. 20c; 1 lb. 60c.

✓ White Stuttgart. Root large, often four inches in diameter, skin white, flesh white and crisp and not becoming strong or pithy until very late. Pkt. 5c; 1 oz. 10c; ¼ lb. 20c; 1 lb. 50c.

✓ Long Black Spanish. A large winter variety, one of the hardest. Pkt. 5c; 1 oz. 10c; ¼ lb. 20c; 1 lb. 55c.

✓ Round Black Spanish. A fine globe-shaped winter radish. Pkt. 5c; 1 oz. 10c; ¼ lb. 20c; 1 lb. 50c.

✓ California Mammoth White. A winter variety, white-fleshed, firm and of excellent quality. Pkt. 5c; 1 oz. 10c; ¼ lb. 20c; 1 lb. 65c.



Round Black Spanish.

Rhubarb, or Pie Plant

Four ounces of seed to 100 yards of row.

No market gardener or family should be without it. May be propagated from seed, but is usually grown from roots. The soil should be deep and rich.

Linaeus. The earliest. Pkt. 5c; 1 oz. 15c; ¼ lb. 45c; 1 lb. \$1.50.

Victoria. Very large; finest cooking variety. Pkt. 5c; 1 oz. 15c; ¼ lb. 45c; 1 lb. \$1.50.

For Rhubarb Roots see
Garden Roots.



Victoria.

Squash.

Three ounces of seed to 100 yards of row.

A very tender plant, of rapid and luxuriant growth; will not stand any frosts or cold nights and should be planted in a rich, warm, light soil, after the weather has become settled and warm.

SUMMER VARIETIES



White Scallop Bush.

✓ Early White Scallop Bush. The earliest variety for market or shipping. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

✓ Early Mammoth White Bush, Scallop. An improvement on the preceding in point of size, being twelve to fifteen inches across; very productive and uniform in growth. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 65c.

✓ Early Yellow Bush Scallop. An early flat scallop shaped variety; color yellow; flesh pale yellow and well flavored; very productive. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

THE FAXON SQUASH



✓ Faxon. It is remarkably prolific in habit, quality, dry and rich, without regard to the size, coloring or time of ripening. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

✓ Early Mammoth Summer Crook-Neck. Twice the size of the ordinary Summer Crook-Neck; also earlier and more warty; a decided advance on the old kind. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 65c.

LATE VARIETIES.

✓ Orange Marrow. An improved Boston Marrow. Quite distinct, very early, and of most delicate flavor; suitable for fall and winter. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

✓ Fordhook. One of the best winter Squashes; fine quality. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

✓ Sibley. Shell smooth, thin, and of a pale green color; the flesh is thick, solid, deep orange color, very dry, fine grained and delicate flavor. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 65c.



English Vegetable Marrow. White flesh; outside yellow; grows about nine inches long; ribbed. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.



Hubbard Squash.

✓ Hubbard. The standard winter squash, best known. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

✓ Golden Hubbard. Similar to, but earlier than the Hubbard. Flesh deep orange. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. 90c.

✓ Marblehead. Flesh deep orange colored, very dry and sweet; one of the best keepers. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

✓ Mammoth Chili. This is the largest variety known, and in rich soil has attained a weight of two hundred pounds. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.



American Turban.

✓ Essex Hybrid, or American Turban. A splendid variety for fall and winter use. The large fruits are broad, round, and slightly flattened at the ends, with a large nub or "Turk's Cap" at the blossom end. Skin deep creamy orange. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Sugar-Cane.

Early Amber. Early and rapid growth. Pkt. 5c; $\frac{1}{4}$ lb. 10c; 1 lb. 25c. Per 100 lbs., market price.



Tobacco

Tobacco.

Connecticut Seed Leaf. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c.

Havana. Pkt. 5c; 1 oz. 35c; $\frac{1}{4}$ lb. \$1.00.

International Poultry Food will make money for you.

Spinach.

Four ounces of seed to 100 yards of row.

This is an important gardeners' crop, of easy culture. For spring and summer use, sow either broadcast or in drills one foot apart and one inch deep, as early as the ground can be worked and every two weeks for a succession.

Bloomsdale. A very early variety. Is hardy and may be planted for early spring use. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.



Long Standing.

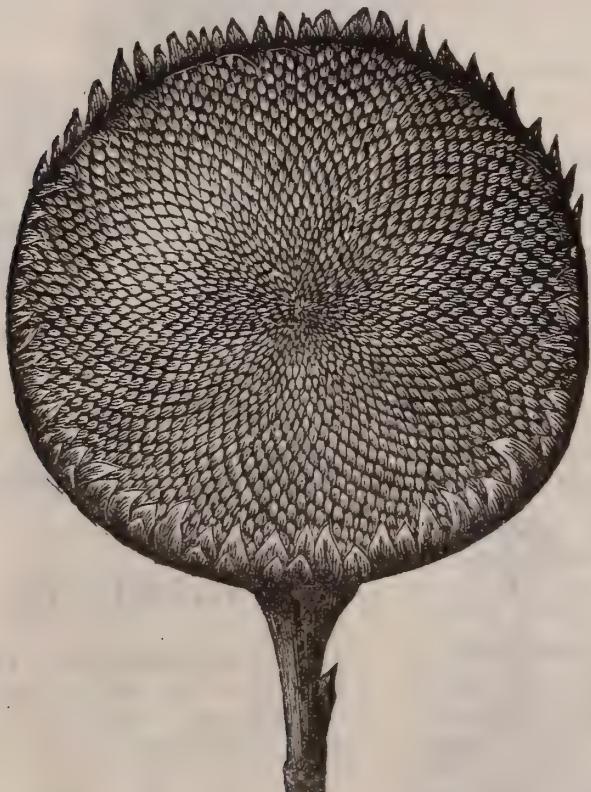
Long Standing. An improved variety, slow in going to seed, and perhaps the best for general use. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 45c.

Monstrous Viroflay. This variety produces the largest leaves of any, yielding an enormous crop. Excellent for the family or market garden. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Prickly Seed. Fall or winter. The hardest variety; having smaller leaves but not so productive as the Round leaved. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 45c.

Long Standing Large Leaved Prickly. An excellent variety. Leaves quite large, thick, and well crumpled or curled. Slow in running to seed. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 45c.

Sunflower.



Mammoth Russian. The largest and most productive variety. It makes one of the very best of foods for poultry. $\frac{1}{4}$ lb. 10c; 1 lb. 20c. By express or freight, purchaser paying charges, 1 lb. 10c; 10 lbs. 90c.

Salsify, or Vegetable Oyster.

Cultivate the same as carrots and parsnips. It is hardy, can remain in the ground all winter for early spring use, but should be taken up before it starts to grow. Sow early in the spring in drills fifteen inches apart, in rows one inch deep. Thin out to six inches apart, keeping clear of weeds.

Long White. The favorite market variety. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.

Mammoth Sandwich Island. A very fine variety; growing nearly twice the size of the old sort. This is taking the lead in the market and we recommend its use. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.



Salsify.

Best Tomatoes

One ounce of seed to 100 yards of row.

It is false economy to try to save on the first cost of Tomato Seed,—a little seed goes so far. And yet the country is almost "flooded" with cheap Tomato Seed, saved without any regard to selection, and sometimes even the refuse of canning establishments. Our Tomatoes are grown especially for Seed.

Atlanta Prize, Extra Early. An early variety, of good size and smooth surface. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

Early Michigan. A very smooth, perfectly shaped tomato, solid and without core. A strong grower and heavy cropper. Early. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

Livingston's Beauty. For shipping and early market it cannot be excelled on account of solidity and toughness of skin. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

Acme. One of the earliest; is of a strong and vigorous growth, very productive; fruit of a medium size. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.



Livingston's Beauty.

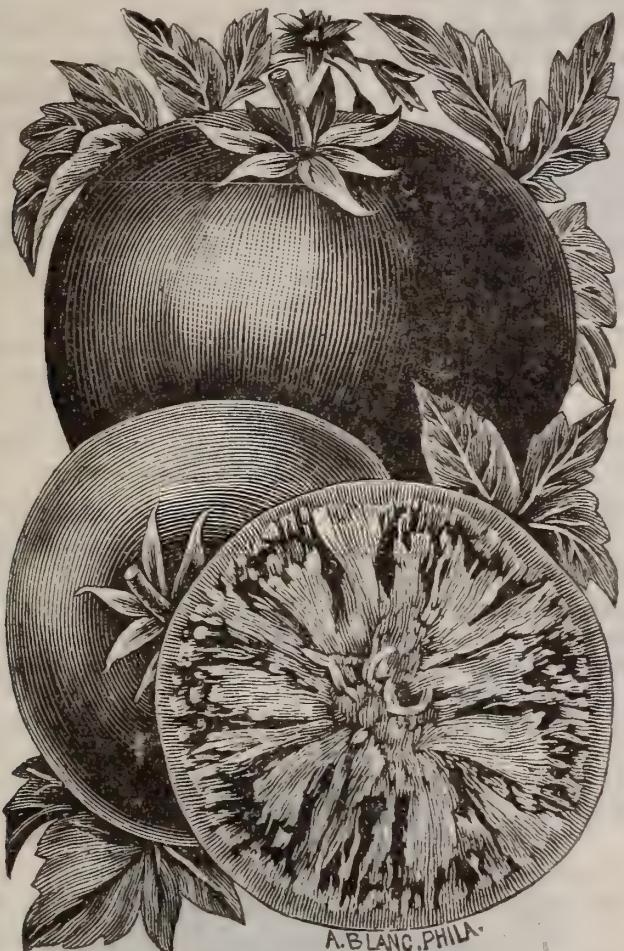
Royal Red. Vines stronger and more vigorous than the Favorite; fruit larger, brighter, deeper red and fully as good in quality. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

Ignotum. A very large Tomato of fine grain, good flavor and without hard core. Fruit red, smooth and solid. Very productive. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

New Imperial. This fine new Tomato is very early, large, quite fleshy and free from any hard core. The fruits are red, smooth and of fine form. Pkt. 5c; 1 oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.50.

Fordhook First. A very early, large, smooth tomato of good form and yield. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

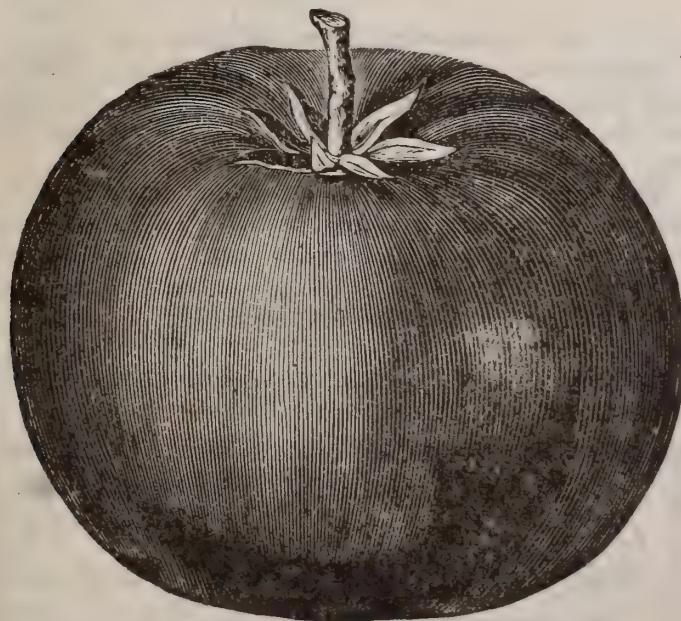
Optimus. A second early kind; uniform in size; color bright red; smooth and handsome. One of the very best for this climate. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.



Livingston's Perfection.

Livingston's Perfection. One of the best medium early kinds; round, uniformly smooth; vines very productive; fruit deep scarlet, firm and of excellent quality. Sow this variety for main crop. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

✓ Golden Queen. Very handsome; flesh yellow, rich, and of superior quality. Pkt. 5c; 1 oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.25.



Livingston's Favorite.

✓ Livingston's Favorite. One of the best for general crop; vines vigorous, continuing in bearing all season. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

Dwarf Champion. Quite distinct in foliage and habit of growth, being compact and upright; fruits early, and resembles the Acme in appearance. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

Dwarf Aristocrat. Beautiful, rich glossy red fruit. Valuable for forcing or growing on the outside for early market. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$2.00.

✓ Yellow Plum-Shaped Tomato. Fruit a little larger than the Pear-shaped; of even plum shape; skin and flesh clear, deep yellow color; very popular for preserving. Pkt. 5c; 1 oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.25.

✓ New Stone. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 65c; 1 lb. \$2.25.

✓ Husk Tomato, or Ground Cherry. Fine for sauce, preserves, and for eating fresh. Pkt. 5c; 1 oz. 30c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.50.



Ground Cherry.

For Plants see Vegetable Plants.

Turnip.

Three ounces of seed to 100 yards of row.

The turnip delights in a light, rich, sandy loam which has been well manured. For early use, sow the early varieties as soon as the ground opens in the spring, in drills from twelve to fifteen inches apart. For a succession, continue to sow every two weeks until June, then discontinue until the middle of July. For a fall and winter crop, sow not later than the first of September.

WHITE-FLESHED KINDS.

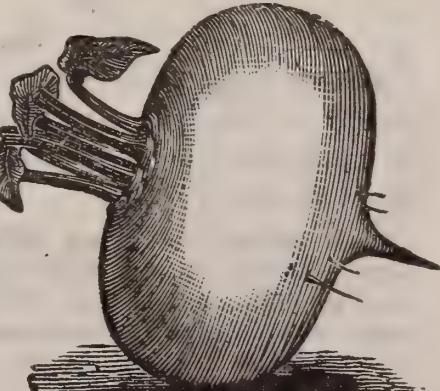


Early Red-Top, Strap Leaved.

✓ Early Red-Top, Strap Leaved. One of the best; flat and good size. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

✓ Extra Early Purple-Top Milan. The earliest variety of turnip. Top small, erect, strap-leaved; bulb very flat, a deep purple above, white underneath; an excellent keeper. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 70c.

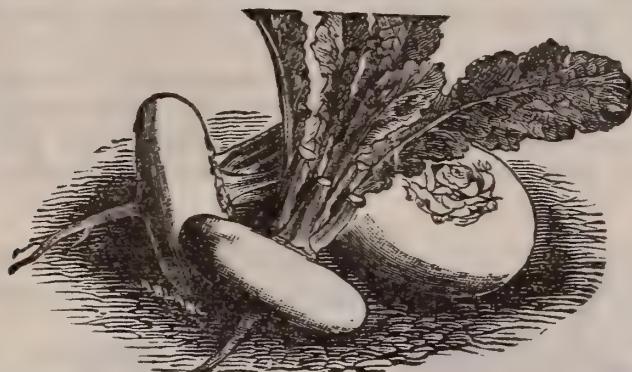
✓ Extra Early White Milan. As early as the above and a beautiful pure white. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.



White Milan.

Pomerian White Globe. This is one of the most productive kinds, and in good, rich soil roots will frequently grow to twelve pounds in weight. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Sweet German. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.



Early Flat White Dutch.

Early Flat White Dutch. A leading white-fleshed variety and one of the best, either for the family, market garden or field crop. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Purple Top White Globe. A large globe-shaped variety, purple above ground. It is handsome and of excellent quality. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

White Norfolk. A large-growing round, flat-shaped variety; coarse-grained and sweet. One of the best early for feeding stock. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.



White Egg.

White Egg. An entirely distinct variety. It belongs to the class of quick-growing fall turnips. Of extra fine flavor and texture. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Cow Horn, or Long White. A distinct variety, having a long slightly-curved root, somewhat resembling a carrot. It is white with a green tinge near the top; growing partly above the ground; flesh tender, sweet, and of fine quality. Can be sown early for fall and winter use. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

YELLOW-FLESHED VARIETIES.

Yellow, or Amber Globe. This variety is handsome and grows to a large size. Color, pale yellow. One of the best for general crop. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Golden Ball, or Orange Jelly. It forms a bulb having a beautiful bright yellow rind and cream colored flesh; rich, pulpy, and excellent for culinary use, as well as for stock. Its keeping qualities are unrivaled. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Yellow Aberdeen. Bulb globular, reddish purple and deep yellow below; solid and hardy. Generally grown for farming purposes. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Ruta Bagas, or Swedes.

Sow from the 20th of June to the middle of July in drills two feet apart and thin out to 8 inches in the rows.

Skirving's Purple Top. Enormously productive; flesh yellow, solid and sweet. One of the best for field culture. Pkt. 5c; 1 oz. 10c; 2 oz. 15c; $\frac{1}{4}$ lb. 20c; 1 lb. 55c.



American Ruta-Baga.

Improved American Purple Top. This variety is largely grown, both for table use and stock feeding. Pkt. 5c; 1 oz. 10c; 2 oz. 15c; $\frac{1}{4}$ lb. 20c; 1 lb. 55c.

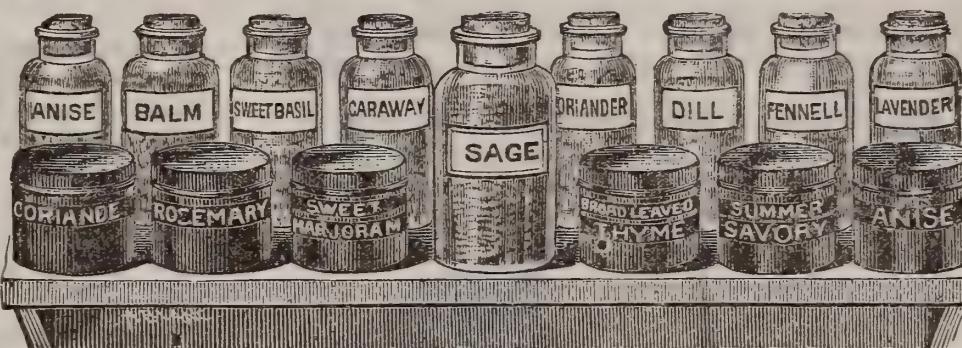
Monarch, or Tankard. Color purplish-crimson above ground, yellow below. The flesh is of the best quality. The roots grow much above ground, making them easy to harvest. Produces an immense crop. Pkt. 5c; 1 oz. 10c; 2 oz. 15c; $\frac{1}{4}$ lb. 20c; 1 lb. 55c.

White Russian. Large, white and solid. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 55c.

THE PLANET JR. TOOLS
are not to be classed with the
many lines of cheap Garden
Tools now thrown on the mar-
ket. Material, workmanship and
the way they do the work is
an eye opener.

Herb Seeds—Pot, Sweet and Medicinal.

Herbs in general delight in rich, mellow soil. Those marked with a (*) are perennial, and when once obtained in the garden may be preserved for years with a little attention. Sow the seeds early in the spring in shallow drills one foot apart. We offer some of the most useful and popular.



Anise. For garnishing and seasoning. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c. Flavoring, 1 lb. 40c.

***Balm.** A fragrant, lemon-scented herb, used for making Balm tea or Balm wine. Pkt. 5c; 1 oz. 25c.

Basil, Sweet. Useful for seasoning soups. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 50c.

Borage. Leaves used for flavoring, and flowers furnish bee pasture. Pkt. 5c; 1 oz. 15c.

***Caraway.** Cultivated for the seed, which is used extensively in cakes and confectionery. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c. Flavoring, 1 lb. 35c.

***Catnip.** A mild nervine, excellent for children. Pkt. 5c; 1 oz. 30c.

Coriander. The seed is used medicinally, in confectionery, etc. Leaves are used for garnishing. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c. Flavoring, 1 lb. 35c.

Dill. Hardy annual; seeds used medicinally and also for flavoring. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c. Flavoring, 1 lb. 50c.

Fennel, Sweet. Leaves and seeds used for flavoring. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 30c. Flavoring, 1 lb. 50c.

Fenugreek. Pkt. 5c; 1 oz. 10c; 1 lb. 35c.

Horehound. Very bitter plant, useful for its tonic properties. Pkt. 5c; 1 oz. 20c.

***Lavender.** Cultivated for the fragrance of its flowers. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c.

Majoram, Sweet. The young shoots and leaves are used for flavoring. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 50c.

***Rosemary.** Leaves used for flavoring. Pkt. 5c; 1 oz. 40c.

***Rue.** Used medicinally. Pkt. 5c; 1 oz. 20c.

***Sage, Broad-Leaved.** The leaves and tender tops are used in dressings. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c.

Savory, Summer. Used for flavoring. It is a hardy annual. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c.

Saffron. Pkt. 5c; 1 oz. 20c.

Sorrel. Pkt. 5c; 1 oz. 20c.

***Thyme.** Used for flavoring soups, dressings, etc. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 60c.

Wormwood. Used for medicinal purposes. It is also beneficial to poultry and should be planted in poultry grounds. Pkt. 5c; 1 oz. 20c.

Tree Seeds.

Purchaser to pay transportation charges on all quantities above one pound.

Apple Seed. (American.) For nursery stocks. 1 oz. 10c; $\frac{1}{4}$ lb. 15c; 1 lb. 40c.

Apple Seed. (French Crab.) 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Cherry Pits, Mazzard. (Cerasus.) 1 oz. 10c; $\frac{1}{4}$ lb. 15c; 1 lb. 40c.

Cherry Pits, Mahaleb. 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Peach Pits. For nursery stocks. 1 lb. 20c; 100 lbs. \$2.00.

Pear Seed. (Pyrus Communis.) The best imported for nursery stocks. 1 oz. 15c; $\frac{1}{4}$ lb. 45c; 1 lb. \$1.50.

Pear Seed, Native. 1 oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$2.00.

Plum Pits. (Prunis myrabolano.) For nursery stock. 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Quince Seed. 1 oz. 20c; 2 oz. 30c; $\frac{1}{4}$ lb. 50c; 1 lb. \$2.00.

Box Elder, or Ash Leaf Maple. (Acer negundo.) 1 oz. 10c; 2 oz. 15c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Horse Chestnut, or Buckeye. 1 lb. 35c.

Locust, Yellow or Black. A tree of rapid growth. Sown in our Western states for timber. 1 oz. 10c; 2 oz. 15c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.

Locust, Honey. 1 oz. 10c; 2 oz. 15c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c.

Vegetable Plants.

	Postpaid. Per Doz.	By Express. 50	100	1000
Cabbage Plants—				
Early varieties	\$0.20	\$0.30	\$0.50	\$3.50
Late varieties .....	.15	.30	.40	3.00
Cauliflower Plants—				
Early varieties .....	.25	.70	1.00	7.00
Late varieties .....	.26	.45	.70	5.00
Tomato Plants—				
Standard varieties .....	.25	.60	.85	5.50
Celery Plants—				
Standard varieties .....	.20	.45	.65	4.50
Miscellaneous—				
Sweet Potato .....	.30	.50	.85	5.00
Pepper .....	.25	.60	1.00	....
Kale .....	.20	.40	.60	3.50
Brussels Sprouts .....	.20	.45	.60	2.50
Celeriac .....	.20	.65	1.00	....
Egg Plant .....	.25	.65	1.00	....
Tobacco .....	.25	...	1.25	....
Chives, per bunch.....				.25

Other varieties furnished if desired. No plants sent C. O. D.

Write for quotations on larger quantities

Garden Roots and Tubers.

Asparagus Roots. 1 year, postpaid, per doz. 20c; 100 postpaid, 75c; 2 year, per doz., postpaid, 25c; per 100, \$1.00.

Hop Vines. 1 doz. postpaid, 25c; 100, \$1.00.

Horseradish. 1 doz. postpaid, 25c; 100, 75c.

Rhubarb. 1 year, 1 doz. 50c; by mail, 65c.

Rhubarb. 2 year, 1 doz. 75c and up.



Artichokes.

Artichoke, Red Jerusalem. The tubers grow similar to potatoes. They furnish one of the best foods for stock ever put on the market, being very nutritious and healthful. Sow from 150 lbs. to 200 lbs. per acre. 1 lb. 20c; 100 lbs. \$1.75.

Artichoke, White. Flesh white and sweet. Produces a larger crop of tubers than the red; now taking the lead. 1 lb. postpaid, 20c; 100 lbs. \$1.75.

Write for Quotations on larger quantities.

Our Fertilizers are made of the very best material, containing highest percentages of Nitrogen, Potash, Phosphoric Acid, etc., and it will pay you to investigate before buying elsewhere.

Remember judicious fertilizing pays.

HIGH-GRADE

EXTRA CLEAN

GRASS AND CLOVER SEEDS.

Grass and Clover have become of so much importance to the agriculturist within the last few years that we have deemed it wise to pay special attention to the matter of seeds for the production of these articles. Our grass and clover seeds are extra clean and of the highest quality. We take great care to have them absolutely free from all noxious weed seeds.

Write for prices on Grass and Clover Seeds, stating kinds and quantities wanted. Prices vary with the market, and we can frequently supply lower than Catalogue rates, and if favored with your order will send extra seed to make up value.

PLEASE NOTE: Add 10 cents per pound for postage when ordering by mail.



Bromus Inerimis.

Bromus Inerimis. Awnless Brome Grass —**Russian Brome Grass.** Valuable for semi-arid lands; good for cutting and feeding in green state, for pasture or hay. Its running roots take a deep and permanent hold upon the land, and it will probably replace, in a large degree, the fast disappearing Bunch grasses of Eastern Oregon and Eastern Washington, where it has done well. Sow 20 to 30 pounds to the acre. 1 lb. 20c; 100 lbs. market price.

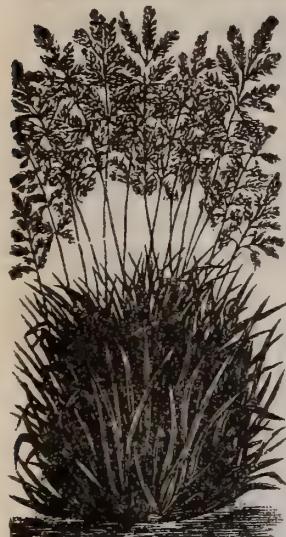
LAND PLASTER

Our stocks are absolutely free from clay, sand or other foreign matter. 99% pure.

Bromus Schraderi. (Rescue Grass.) Also known as Bromus Unoilooides. Thrives in any soil, but prefers that which is wet or moist. In England, four or five green crops are cut in a year, and every time it is cut another crop shoots from the roots. All kinds of stock eat it freely. Thirty lbs. to the acre. 1 lb. 25c; 100 lbs. market price.



Bromus Schraderi.



Kentucky Blue Grass.

Blue Grass Canada. (*Poa compressa*.) Differs from the Kentucky variety in its flattened wirey stem. Because of its creeping root stocks it forms a fine turf; recommended in all pasture mixture on dry soil, thrives well on clay or hard trodden and poor soil. 1 lb. 15c; 100 lbs. market price.

Meadow Fescue. (*Festuca pratensis*.) A perennial variety growing three or four feet high. It roots deep, thus resisting drought better than most grasses. It succeeds on any ordinary soil; yields a heavy crop of superior hay; one of the best grasses for pastures. Valuable to mix with other kinds. Use thirty pounds per acre when sown alone. 1 lb. 20c; 100 lbs. market price.



English Blue Grass or Meadow Fescue.

Bunch Grass. (*Agropyron divergens*.) Should not be pastured the first season. 1 lb. 50c.



Crested Dog's Tail.

Crested Dog's Tail. (*Cynosurus cristatus*.) A perennial grass with short, narrow leaves, particularly valuable for lawns or pastures on dry, light land. 1 lb. 45c; 100 lbs. market price.

Rhode Island Bent. (*Agrostis canina*.) This somewhat resembles Red Top, but has shorter and narrower leaves. It makes a close sod and is valuable for permanent pastures and meadows. Per lb. 35c.

Creeping Bent Grass. (*Agrostis stolonifera*.) Valuable to mix with other pasture grasses, and it will thrive in moderately moist soil. For pasture, sow 18 to 36 pounds per acre; for lawns, 36 to 48 pounds. 1 lb. 30c; 100 lbs. market price.

Floating Fescue. (*Festuca fluitans*.) A perennial with long creeping roots and preferring a rich muddy or alluvial soil. Trout and wild ducks are very fond of the seed and tender shoots. 1 lb. 35c; 100 lbs. market price.

Fescue, Sheep's. (*Festuca ovina*.) Grows freely in high, dry and open pastures. Its chief merit for sheep pasture is that it occupies land where better grasses refuse to grow. Thirty-five pounds to the acre. 1 lb. 25c.

Johnson Grass. (*Andropogon Halepensis*.) This is a native of Southern Europe. It is a strong growing perennial and thrives best in the Southern States where it makes rapid growth. It is but little affected by drought and makes excellent hay if cut just as it is coming into bloom. Sow 20 to 30 pounds per acre. 1 lb. 20c; 100 lbs. market price.



Johnson Grass.

Lawn Grass, Choice. A good, strong-growing grass for lawns that will give satisfaction. Sow twelve to fifteen pounds to an ordinary city lot. 1 lb. 15c; 100 lbs. market price.

Lawn Grass, Fancy. Is composed of the finest and best mixture of neat, compactly growing varieties, producing a fine sward. Sow 100 lbs. to the acre. 1 lb. 25c; 100 lbs. market price.

Meadow Foxtail. (*Alopecurus pratensis*.) One of the very best for permanent pasture. Stands intense summer heat without burning. Sow 25 lbs. to the acre. 1 lb. 35c; 100 lbs. market price.

Mesquite. (*Holcus lanatus*.) It is usually sown on virgin soil, without cultivation, after the ground burned over. Use about thirty-five to forty pounds per acre. 1 lb. 10c; 100 lbs. market price.



Orchard Grass. (*Dactylis glomerata*.) One of the most valuable of all the cultivated grasses blooming with Red Clover and making with it admirable hay. As a pasture grass, it is more productive than any other, and does best under close feeding. Sow twenty-five pounds to the acre. 1 lb. 15c; 100 lbs market price.

Orchard Grass.



English Rye Grass.

English Rye Grass. (*Lolium perenne*) A strong-growing, hardy, perennial grass, noted for its nutritive qualities. It is equally valuable for grazing and hay, and will succeed on any good, tillable land, if well prepared. Also makes a fine lawn. Sow forty or fifty pounds to the acre; for lawns, not less than one hundred pounds. 1 lb. 10c; 100 lbs. market price.

Rye Grass, French. (See Tall Meadow Oat.)

Rye Grass, Italian. (*Lolium Italicum*) Though a distinct variety, its qualities are similar to the English Perennial, and it will succeed on the same soils. From forty to fifty pounds to the acre should be sown. 1 lb. 12c; 100 lbs. market price.



Italian Rye Grass.

Rough - Stalked Meadow Grass. (*Poa trivialis*) A most valuable grass which flourishes in moist, rich soils and sheltered situations. It is highly nutritive, and horses, oxen and sheep are very partial to it. Twenty pounds to the acre. 1 lb. 45c.

Tall Meadow Oat Grass, or French Rye Grass. (*Avena elatior*) A valuable grass for permanent pasture; early, luxuriant growth and abundant supply which is relished by cattle early and late; also makes splendid hay. Sow twenty pounds to the acre. 1 lb. 25c; 100 lbs. market price.



Tall Meadow Oat Grass.

Red Top. (*Agrostis vulgaris*) A good perennial grass. Generally sown on permanent pastures. Does well on any soil, but best on moist land. Sow twenty pounds to the acre. 1 lb. 10c; 100 lbs. market price. Free from chaff, fancy clean, 1 lb. 20c.

Fowl Meadow Grass, or False Red Top. (*Poa serotina*) Yields well when sown on low, moist land, and stands longer in condition for cutting than most grasses. It can be mowed almost any time from July to October. Requires about twenty-five pounds of seed per acre. Sow in spring or fall. Per lb. 25c; 100 lbs. market price.

Sweet Vernal. (*Anthoxanthum Odoratum*) Valuable to put in pasture mixtures and lawn grass, on account of its earliness and its delightful fragrance when in bloom. Sow about 30 pounds to the acre. True Perennial, 1 lb. 90c; Annual, 1 lb. 25c.

Timothy. (*Phleum pratense*) As a grass to cut for hay this is unsurpassed. It does best on moist, loamy soils, and is not suited to light lands. 1 lb. 9c; 100 lbs. market price.



Timothy.

Water Meadow Grass. (*Poa Aquatica*) An excellent and useful pasture grass for very wet places. Sow twenty pounds to the acre. 1 lb. 35c; 100 lbs. market price.

Wood Meadow Grass. (*Poa memorialis*) Adapted for pasture or pleasure grounds, of early growth, thrives well under trees. Thirty pounds to the acre. 1 lb. 50c.

Clovers.

Alsike, or Swedish Clover. (*Trifolium hybridum*) This valuable variety is the hardiest of all the Clovers and is sometimes called Giant White Clover. It is a perennial, therefore adapted for permanent pastures or for hay crop. Its superior pasturage is much liked by cattle. Blossom head round, flesh-colored, sweet and fragrant, much liked by bees. Sow ten pounds per acre. 1 lb. 20c; 100 lbs. market price.

Red Clover. (*Trifolium Pratense*) The leading variety of Clover for pastures or meadows. The seed we offer is recleaned and free from weeds. Sow twelve pounds to the acre. 1 lb. 14c; 100 lbs. market price.

Mammoth Clover. This variety grows five to six feet high, and is used almost exclusively for plowing under for manure. Sow from twelve to fifteen pounds per acre. 1 lb. 15c; 100 lbs. market price.

Bokhara, Sweet or Honey Clover. (*Melilotus Alba*) A rapid growing white-flowered sort, excellent for bees. 1 lb. 25c; 100 lbs. market price.



White Clover.

Esperette Clover, or Sainfoin. (*Onobrychia sativa*.) A hardy perennial variety. Yields a heavy crop of hay which is easily cured and greatly relished by stock; forty or fifty lbs. to the acre. 1 lb. 20c; 100 lbs. market price.

Alfalfa or Lucerne Clover. (*Medicago sativa*.) One of the most valuable of the clovers. It resists the driest weather, and when every blade of grass droops for want of moisture it holds up fresh and green. It is the best variety to use on lands that have to be irrigated. Sow fifteen lbs. to the acre. 1 lb. 13c; 100 lbs. market price.



Alfalfa or Lucerne Clover.

Scarlet or Crimson Clover. Brilliant scarlet flowered, very productive, and greedily eaten by cattle; remains green longer than the red variety, and is excellent for bee food. Largely used for green manuring. 1 lb. 13c; 100 lbs. market price.



Scarlet Clover.

Land Plaster.

The use of "OREGON" LAND PLASTER as a fertilizer, is most beneficial on high, sandy and basaltic soils, and has a marvelous effect on crops, especially clover, potatoes, cabbage, peas, wheat, rye, barley, and all grass crops.

PATRONIZE HOME PRODUCT.

White Dutch Clover. (*Trifolium repens*.) An excellent pasture clover forming in conjunction with Kentucky Blue Grass, the finest and most nutritious food for sheep and cattle. It also makes a beautiful lawn. When sown alone use eight or ten pounds per acre. 1 lb. 20c; 100 lbs. market price.

Farm Seeds.

The prices are subject to the market fluctuations. Quotations on large quantities given on application.

Add 10 cents per pound if wanted sent by mail.



Buckwheat, Japanese. This variety excels all others. Will yield much heavier than any other, and it ripens one week to ten days earlier, stands up better and makes better flour than any other kind of Buckwheat. 1 lb. 5c; 100 lbs. \$3.50.

Buckwheat, Silver Hull. This improved variety is much better than the old sort. It is in bloom longer, matures sooner and yields heavier per acre. The grain is of a beautiful light gray color. Buckwheat makes splendid bee pasture. 1 lb. 5c; 100 lbs. \$3.25.

Buckwheat, Common. 1 lb. 5c; 100 lbs. \$3.00.

Barley. For seed. 1 lb. 3c; 100 lbs. market price.

Beardless Barley. 1 lb. 3c; larger quantities market price.

Corn-wheat, or German Roggen. A new Cereal that will out-yield corn and double the yield of wheat. In green state it makes excellent pasture, and straw after being threshed makes a good hay. Every farmer should give it a trial. 1 lb. postpaid, 20c; larger quantities, market price.

Red Kaffir Corn. (Non-saccharine.) The plant is low, stocky, perfectly erect. The whole stalk, as well as the blades, cures into excellent fodder and in all stages of its growth is available for green feed. 1 lb. 7c; 100 lbs. market price.

White Kaffir Corn. 1 lb. 7c; 100 lbs. market price.

Field Peas. Small White. (Canadian.) The most profitable and popular variety. 1 lb. 5c; 100 lbs. \$3.00.

Field Peas. Blue Prussian. 1 lb. 7c; 100 lbs. market price.

Field Peas. Swiss. 1 lb. 10c; 100 lbs. market price.

Flax Seed. Prime, clean seed for sowing. 1 lb. 10c; 100 lbs. market price.

Speltz. Largely used in Germany for Flour, of which it makes a superior quality. It is unexcelled for feed for horses, cattle, hogs and poultry. Grows well in Oregon and is a heavy producer. Cultivate same as barley. 1 lb. 10c; 100 lbs. \$5.00.



Soja Beans.

Soja Beans. A very valuable fodder plant, either for feeding green or for the silo. It is a rich food, and is unsurpassed for forming flesh. Like clover, it improves the soil by drawing its nitrogen from the air. Very productive. 1 lb. 15c; 100 lbs. \$9.00.

Sugar Cane, Early Amber. 1 lb. 10c; 10 lbs. 75c.



Hungarian Millet.

Millet, Common. A variety growing from three to four feet high, having rather broad blades and strong stalks. For a seed crop sow fifteen pounds per acre; for hay and pasture use thirty pounds. 1 lb. 10c; 100 lbs. \$4.50.

Millet, Pearl or Egyptian. Produces an enormous amount of green feed. It can be cut repeatedly, growing very rapidly after cutting and is equal to sweet corn for feed. 1 lb. 15c; 100 lbs. market price.

Rape. Dwarf Essex. Good for sheep pasture. May be sown in May; or even after taking off a crop of potatoes. Fall sowing will also give good results. In drills sow five pounds to the acre; broadcast, ten pounds to the acre. 1 lb. 15c; 100 lbs. \$8.25.

Cow Peas. Good for fodder, sheep being very fond of them when in flower. Their chief value, however, is as a green crop to plow under. 1 lb. 10c; 100 lbs. market price.

Idaho Pea, or Coffee Berry. A forage plant valuable for semi-arid lands. Yields excellent crops of feed for horses, cattle, sheep and poultry. The peas, when nicely browned and ground, make an excellent beverage. 1 lb. 15c; 100 lbs., price given on application.

Cheat Seed. Now being used quite extensively for hay. 1 lb. 5c; 100 lbs. market price.

Sacaline. Pkt. 10c; 1 oz. 40c; $\frac{1}{4}$ lb. \$1.25.

Lathyrus Sylvesteris. Also called flat pea. Pkt. 5c; 1 oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.



Vetches.

Spring Vetches, or Tares. (*Vicia sativa*) A species of the pea; grown extensively for stock feeding. It is coming to be recognized as one of the best forage plants for Oregon and Washington. Also very valuable for green manuring. Culture same as for Field Peas. Sow one bushel per acre with wheat or oats. 1 lb. 5c; 100 lbs. \$4.00.

Winter Vetches. (*Vicia villosa*) Perfectly hardy and very nutritious. Thrives on poor, arid, sandy soils. Can be cut twice for fodder and again for seed. Sown either in fall or spring, generally with rye for a support. Grows three to four feet high. Sow at the rate of $1\frac{1}{2}$ bushels to the acre. 1 lb. 20c; 100 lbs. \$14.00.

SELECT

CHOICEST

FLOWER SEEDS.

WE DELIVER FREE, to any post office in the United States, ALL FLOWER SEEDS offered in this Catalogue.

Flowers are divided into three classes—Annual, Biennial and Perennial. The annuals are those flowers that bud, blossom and ripen their seed the first season and then die. They are valuable to both the amateur and professional gardener. To them we are mainly indebted for our brightest and best flowers in the late summer and autumn months. Biennials and Perennials are those flowers that live on for two years or more, and, with but few exceptions, do not blossom the first season.

Ageratum. MEXICANUM. Blue. Half-hardy annual. Fine for bouquets, and useful for beds, borders and pots. Pkt. 5c; MIXED Pkt. 5c.



Agrostemma.

Agrostemma. CORONARIA. (Rose Cam-pion.) Perennial. Beautiful for beds, ribbons and borders. Their graceful, pink like flowers remain fresh, after being cut, a long time. Thrive in any good soil.

MIXED. Pkt. 5c.

Acroclinium. Exceedingly graceful plants with everlasting flowers. Mixed colors. Pkt. 5c.

Agrostis. NEBULSA. Ornamental Grass. A hardy, annual, ornamental grass; delicate and graceful; very beautiful for winter bouquets. Pkt. 5c.

Auricula. (Primula Auricula.) Beautiful spring blooming flowers. FINE MIXED. Pkt. 25c.



Sweet Alyssum.

Amaranthus. Strong growing ornamental plants for bedding purposes. Half-hardy annual.

MELANCHOLICUS RUBER. Dwarf habit; deep red foliage. Pkt. 5c.

CAUDATUS. (Love Lies Bleeding.) Graceful drooping flowers. Pkt. 5c.

CRUENTUS. (Prince's Feather.) Handsome, erect flowers. Pkt. 5c.

TRICOLOR. (Joseph's Coat.) Beautifully variegated foliage scarlet, yellow and green. Pkt. 5c.

Ammobium. (Alatum Grandiflorum.) Fine white, everlasting. Pkt. 5c.

Aster. Very beautiful and popular half-hardy annuals growing from 10 to 18 inches high. For profusion of flowers and richness of display, the Asters are unrivaled.

C R Y S A N T H E M U M .
F L O W E R E D . Half Dwarf, White, Scarlet, Lilac, Rose. Mixed. Each, Pkt. 10c.

GIANT COMET. Rose, Crimson. Light Blue. Snow White. Mixed. Each, Pkt. 10c.

GERMAN QUILLED. Mixed. Pkt. 5c.

SEMPLE'S LATE BRANCHING. Mixed. Pkt. 10c.

JEWEL. Mixed. Pkt. 10c.

TRUFFAUT'S PAEONY PERFECTION. White, Crimson, Light Blue, Rose, Mixed. Each, Pkt. 10c.

MELANC
Paeony Flowered
Asters.

Balsam.

Balsam. (Lady's Slipper. Touch-Me-Not.) Exceedingly handsome and attractive.

TALL DOUBLE WHITE. Extra choice. Pkt. 10c.

TALL DOUBLE CAMELIA FLOWERED. Mixed. Pkt. 5c.

TALL DOUBLE. Mixed. Pkt. 5c.

DWARF DOUBLE. Mixed. Pkt. 10c.

Browallia. Mixed. Pkt. 5c.

Brachycome. (Swan River Daisy.) A handsome, dwarf-growing free-flowering annual from Australia. CHOICE MIXED. Pkt. 5c.

Briza. MAXIMA. Handsome ornamental grass. Fine for winter bouquets. Pkt. 5c.

Calceolaria. Splendid greenhouse plants, with flowers beautifully striped, blotched and variegated. HYBRIDA MIXED. Pkt. 25c.



Carnation.

Carnation. (*Dianthus carophyllus*.) A well-known half-hardy perennial. Having flowers of delicious fragrance, which are large and beautiful. Grows one-half foot high. EXTRA CHOICE DOUBLE. Mixed. Pkt. 20c.

COMMON DOUBLE MIXED. Pkt. 10c.

MARGARET. If sown early in the spring, will flower the first year. Double half dwarf. MIXED. Pkt. 10c.

Calendula. (POT MARIGOLD.) Showy, free-flowering, hardy annuals. Pkt. 5c.

Canary-Bird Flower. (*Tropaeolum canariense*.) One of the best climbing plants with graceful foliage and yellow blossoms. Pkt. 5c.

Canna. (INDIAN SHOT.) Ornamental, tropical-looking plants, of easy culture, the Crozy varieties having especially large and beautiful flowers. Crozy's fine mixed. Pkt. 10c.

Celosia. Graceful, free blooming plants. They can be grown in pots for the conservatory, or may be planted out after danger of frost is past. Half-hardy annuals.



Celosia.

Cyclamen Giganteum. The seed produces bulbs from which beautiful flowers are produced within twelve months' time. The Cyclamen is especially fine for pot culture in parlor or greenhouse.

GIGANTEUM HYBRIDUM MIXED. Pkt. 25c.

Centaurea. CANDIDISSIMA. (Dusty Miller.) Dwarf, silvery foliage plants, desirable for beds and edging. Pkt. 10c.

Centaurea. CYANUS. (Bachelor's Button or Cornflower.) Well known, constant blooming annual; valuable for bouquets. Mixed. Pkt. 5c.

DOUBLE. Finest mixed. Pkt. 5c.

NANA COMPACTA HYBRIDA. Dwarf, fine for pots and edging. Pkt. 10c.

Centaurea. SUAVEOLENS. Pkt. 5c.

ODORATA CHAMELEON. Pkt. 10c.

MARGARITAE. Pkt. 10c.

"Chameleon" and "Margaritae" are superb new sorts, with very large and fragrant flowers; fine for cutting.



Calliopsis.

Calliopsis, or Coreopsis. (BLACK-EYED SUSAN.) A hardy annual, very showy and attractive. It is branching, and is covered with a mass of bright flowers of all shades of yellow, with a dark, velvety center. CHOICE MIXED. Pkt. 5c.

Castor Bean. (*Ricinus*.) Highly ornamental, half-hardy annuals, of stately growth and having large leaves of bronze or glossy green.

SANGUINEUS. Brilliant scarlet. Pkt. 5c.

BARBONIENSIS ARBOREUS. The largest variety. Tall and stately. Pkt. 5c.

ZANZIBARIENSIS. Pkt. 5c.

MIXED. Best varieties. Pkt. 5c.

Catchfly. (*Silene*.) A hardy annual about one foot high. Mixed. Pkt. 5c.

Candytuft. (*Iberis*.) Well-known, hardy plants, thriving almost anywhere, and producing a profusion of bright, cheerful flowers.

Very useful for cut flowers, borders, ribbons or conservatory. Hardy annuals.

ODORATA. Sweet-scented, WHITE. Pkt. 5c.

CARMINE. Pkt. 5c.

PURPLE. Pkt. 5c.

MIXED. All colors. Pkt. 5c.

SEMPERVIRENS. Perennial. White. Pkt. 5c.



Candytuft.

Clarkia. Pretty, free-flowering plants of the easiest cultivation, the double being especially fine. Double Mixed. Pkt. 5c.



Cosmos.

Canterbury Bells. (*Campanula*.) One of the best known hardy flowers, succeeding well in any situation.

SINGLE MIXED. White, Blue, each, Pkt. 5c.

DOUBLE MIXED. White, Blue, each, Pkt. 10c.

Cobaea Scandens. A rapid growing climbing plant bearing purple flowers. Should be started in the house and afterwards transplanted outdoors. Pkt. 10c.

ALBA. White. Pkt. 10c.



Canterbury Bells.



Cineraria.

Cineraria Hybrida. Among the finest blooming greenhouse plants, of bright, distinct colors.

FINEST MIXED. Pkt. 25c.

MARITIMA. Candidissima. (Dusty Miller.) Silvery foliage plant, beautiful for ribbon beds and edgings. Pkt. 5c.



Cypress Vine.

Cypress Vine. (*Ipomoea quamoclit*.) A climbing annual of rapid growth, having handsome fern-like foliage and a profusion of bright, attractive flowers.

MIXED. All colors. Pkt. 5c.

Dracaena. Ornamental green-house plant. Very desirable.

DRACO. Pkt. 25c.
INDIVISA LINEATA. Pkt. 10c.



Cypress Vine.

Cosmos. Tall growing, showy autumn-blooming plants, which have gained rapidly in favor within the last few years, the mammoth varieties being especially fine.

EARLY BLOOMING. Mixed. Pkt. 10c.

MAMMOTH. Mixed. Pkt. 10c.

MAMMOTH WHITE. Pkt. 10c.

MAMMOTH PINK. Pkt. 10c.

MAMMOTH RED. Pkt. 10c.

Chrysanthemum. The annual varieties are very showy, effective and desirable as summer flowering border plants.

CORONARIUM. Double. Mixed. Pkt. 5c.

CARINATUM. Mixed. Pkt. 5c.

FRUTESCENS. (Marguerite or Paris Daisy.) White star-like flowers with yellow center. Pkt. 10c.

Columbine. Elegant, free-flowering, hardy perennials, preferring a moist, sunny situation. Pkt. 5c.

Collinsia. Free-flowing annual. Pkt. 5c.



Chrysanthemum Annual.

Dahlia. A magnificent fall-blooming bulbous-rooted plant, which can be readily started from seed.

TALL DOUBLE MIXED. Pkt. 15c.

DWARF DOUBLE MIXED. Pkt. 15c.

DWARF SINGLE MIXED. Pkt. 10c.



Dahlia.

Datura. FASTUOSA. Trumpet flower. Half-hardy, perennial plants, producing large, sweet-scented, trumpet-shaped flowers. Succeeds in almost any soil. Pkt. 5c.



Daisy.

Daisy. (*Bellis perennis*.) A well-known and popular perennial plant, bearing beautiful flowers.

LONGFELLOW. DOUBLE RED. Pkt. 15c.

DOUBLE WHITE. Pkt. 15c.

DOUBLE MIXED. Pkt. 15c.



California Poppy.

Eschscholtzia. (California Poppy). Showy bedding flowers of easy growth, quite popular. Pkt. 5c.

CALIFORNICA, yellow. MIXED, Pkt. 5c.
DOUBLE MIXED, Pkt. 5c.

Euphorbia Variegata. Fine variegated foliage. Pkt. 5c.

Echinocystis Lobata. (Wild Cucumber.) A rapid-growing climber. Very good for covering old fences or trellises. Pkt. 5c.

Fox-Glove. (Digitalis.) A well-known hardy border plant.

PURPUREA, mixed. Pkt. 5c.

GLOXINIA FLOWERED, mixed. Pkt. 5c.

Four-O'Clock. (Marvel of Peru.) Having handsome, free-flowering, sweet-scented, various-colored blossoms.

MIXED. Pkt. 5c.

Forget-Me-Not. (Myosotis.) Beautiful spring favorites, of easy growth.

ALPESTRIS BLUE.
Pkt. 10c.

MIXED. Pkt. 10c.

PALUSTRIS, the true "forget-me-not" of Europe. Pkt. 10c.

SEMPE R F L O R E N S. Everblooming, blue. Pkt. 10c.



Forget-Me-Not.

Gypsophila. A pretty, free-flowering little plant, very desirable for baskets, edgings, or winter bouquets.

PANICULATA. (Baby's Breath.) Pure, white, fine. Pkt. 5c.

MURALIS. Pink. Pkt. 5c.

Globe Amaranth.. (Gomphrena.) An old favorite everlasting flower. MIXED. Pkt. 5c.

Gourds. Excellent for arbors, trellises, etc.; of rapid growth and bearing curious fruits of various sorts.

DISH CLOTH, DIP-PER OR BOTTLE, EGG-SHAPED. Each, Pkt. 5c.

LARGE VARIETIES MIXED. Pkt. 5c.

SMALL VARIETIES MIXED. Pkt. 5c.

Gloxinia. Beautiful greenhouse plants. They grow well in a light rich soil. HYBRIDA MIXED. Pkt. 50c.



Gloxinia.

Gaillardia. Showy and free-bloomers, very pretty and good bedders. Fine for bouquets.

MIXED. Pkt. 5c.

Gentiana. (Cruciata.) Fine hardy plants, bearing showy flowers of a blue color. Pkt. 10c.

Geum. CHILOENSE. Hardy, free-blooming plants

SCARLET. Double. Pkt. 5c.

Gilia. Free-blooming annuals, fine for beds.

MIXED. Pkt. 5c.

Godetia. Fine, profuse-blooming, hardy annuals of beautiful colors. FINE MIXED. Pkt. 5c.

Grevillea Robusta. The Silk Oak. Very beautiful and graceful foliage. Pkt. 10c.



Heliotrope.

Heliotrope. Beautiful, fragrant greenhouse and bedding plant. MIXED. Pkt. 10c.

Helichrysum. Everlasting Flower. Very ornamental, hardy annuals for the garden, and one of the best for winter bouquets. DOUBLE MIXED. Pkt. 5c.

Hyacinth Bean. (Dolichos Lablab.) A rapid-growing, free-flowering vine, fine for screens. MIXED. Pkt. 5c.

Hibiscus. (Africanus.) Fine, showy plants, with glossy leaves and large, brilliant flowers. In bloom throughout the entire season. Hardy annuals of easy cultivation. EXTRA MIXED. Pkt. 5c.

Hollyhock. (Althaea.) The Hollyhock has been greatly improved of late, and should now have a place in every garden.

CHATER'S. Choice Double Mixed. Pkt. 10c.

DOUBLE CRIMSON, SCARLET, WHITE and YELLOW, each. Pkt. 10c.

ALLEGHENY. Double Choice Mixed. Pkt. 10c.



Hollyhock.

Ice Plant. (Mesembrianthemum crystallinum.) An interesting plant. Fine for hanging baskets. Pkt. 5c.

Ipomopsis. Bright and beautiful flowers. MIXED. Pkt. 5c.

Kaulfussia. Pretty, free-flowering plants of compact growth, fine for beds or mixed borders. MIXED. Pkt. 5c.

Lantana. A handsome, free-flowering plant with brilliantly colored flowers. Finest varieties. Mixed. Pkt. 10c.

Larkspur. (*Delphinium*) Free-blooming, hardy plants of erect branching habits, and of easy cultivation.

DWARF GERMAN. Double. Mixed. Pkt. 5c.
TALL-BRANCHING. Mixed. Pkt. 5c.



Lobelia.

Lobelia. Delicate, low growing, annual plants, of the greatest value for borders, ribbons, edgings, rock-work and hanging baskets. Blue. Pkt. 10c.

FINEST MIXED. Pkt. 10c.

ERINUS. (*Crystal Palace Compacta*.) Dwarf, dark blue. Pt. 10c.

Leptosiphon. Beautiful both in flower and foliage, attractive in beds or ribbons. CHOICE MIXED. Pkt. 5c.

Linum. GRANDIFLORUM RUBRUM. Crimson Flax. Pkt. 5c. Perennial. Mixed. Pkt. 5c.

Lychnis. HAAGEANA HYBRIDA. Ornamental plants of easy culture, strikingly effective in mixed flower and shrubbery borders. MIXED. Pkt. 10c.



Imperial Japanese Morning Glory.

Morning Glory. (*Convolvulus*.) Major and Minor. The tall varieties are popular, well-known, rapid growing climbers, of the easiest cultivation. The Minor or Dwarf varieties flower very freely and do not require support. The flowers are very showy and beautiful.

CONVOLVULUS MAJOR. Tall. Choice Mixed. Pkt. 5c.

BRAZILIAN. Mixed. Pkt. 10c.

IMPERIAL JAPANESE. Has very large flowers in great variety of most exquisite colorings, and handsome variegated foliage. Mixed. Pkt. 10c.

CONVOLVULUS MINOR. Dwarf Mixed. Pkt. 5c.

Marigold. (*Tagetes*.) The Marigolds are well-known, hardy annuals of easy cultivation. The colors are gold, orange and varying shades of these colors. They flower early and bloom all summer.

AFRICAN. Double Mixed. Pkt. 5c.

AFRICAN. Double Dwarf. Mixed. Pkt. 5c.

FRENCH. Double. Mixed. Pkt. 5c.



Marigold.

Maize. (*Zea Japonica*.) See Zea.

Mimulus. MOSCHATUS. (*Musk-plant*.) Cultivated for its rich, musky odor. Should have a rich soil and ample moisture. Pkt. 10c.

TIGRINUS GRANDIFLORUS. (*Monkey Flower*.) Mixed, beautifully spotted, all colors. Pkt. 10c.

Mimosa Pudica. (*Sensitive Plant*.) Very curious and interesting plant, its leaves closing if touched or shaken. Pkt. 5c.

Moon Flower. (*Ipomoea Mexicana grandiflora*.) Rapid-growing climber belonging to the Morning Glory family. The flowers are large, waxy white and very showy. Pkt. 10c.

Mignonette. (*Reseda*.) Very fragrant, free-flowering annuals, fine for both pot and bedding purposes.

ODORATA GRANDIFLORA. (*Sweet*.) Very fragrant. Pkt. 5c.

MACHET. Well adapted for pot culture, dwarf, pyramidal growth, flowers red. Pkt. 10c.

GOLDEN. Similar to the above, but yellow in color. Pkt. 10c.



Mignonette.

PARSON'S WHITE. Nearly white and very fragrant. Pkt. 5c.

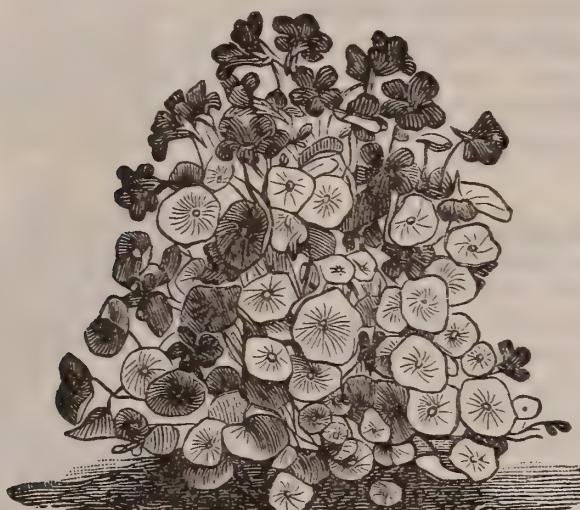
GOLDEN QUEEN. Dense dwarf growth. Pkt. 5c.

ALLEN'S DEFIANCE. The largest variety and intensely fragrant, flowers red. Pkt. 10c.

Nemophila. Beautiful bedding and border flowers of easiest growth. Should be in every garden. Mixed. Pkt. 5c.

Nigella. (*Love-in-a-Mist, or Devil-in-the-Bush*.) Compact-growing, free-flowering plants, with curious looking, showy flowers and finely-cut foliage. Mixed. Pkt. 5c.

Nicotiana. Affinis. Fragrant. White, Flora Plena. Pkt. 5c.



Nasturtium.

Nasturtium. (*Tropaeolum.*) Both the leaves and flowers of the Common Tall Nasturtium are very handsome for table decoration. The Lobbi-

anums are, however, superior to the common varieties. The flowers are larger, more compact, richer and more varied in color. All Nasturtiums are rapid growers, flowering best where the soil is not too rich. Hardy annuals.

TALL VARIETIES.
SCARLET, CARMINE, CRIMSON, BRIGHT YELLOW, GOLDEN YELLOW, ORANGE. Separate colors; each Pkt. 5c; 1 oz. 15c.

LOBBIANUM VARIETIES. The very finest flowering kinds. Mixed. Pkt. 5c; 1 oz. 15c.

MADAME GUNTER'S HYBRIDS. A new race from France, having a richness of color and a variety of brilliant shades and markings hitherto unknown. Pkt. 5c; 1 oz. 15c.

DWARF VARIETIES.
COMMON VARIETIES. Fine Mixed. Pkt. 5c; 1 oz. 10c.

SCARLET, DARK CRIMSON, GOLDEN KING. WHITE PEARL. Separate colors; each, Pkt. 5c; 1 oz. 15c.

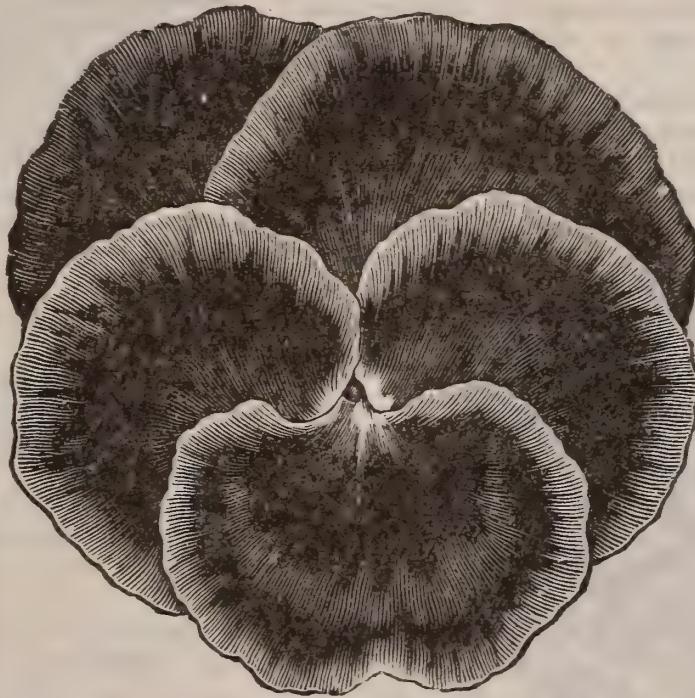
EMPERESS OF INDIA. Dark leaves. Crimson flowers. Pkt. 5c.

DWARF. FINE MIXED. Pkt. 5c; 1 oz. 15c.

Pansy.

Pansies are the most popular of all flowers grown from seed. They furnish a profusion of bright showy flowers of a great variety of rich colors, shades and markings, throughout the entire season, the flowers remaining perfect a long time. They should have the richest soil, abundant moisture, in free, open ground. To get the largest flowers the seed should be sown in the fall. Then the plants will bloom early next spring. The seed that we offer of these favorites is from fine strains, and will well repay growing.

Our fancy strains of Pansy Seed produce Flowers of unsurpassed size and beauty, coming direct from best growers in France and Germany.



Giant Trimardeau.

Cassier's. Fine blotched. Flowers of grand size and most beautifully marked. Pkt. 20c.

VICTORIA. Claret Red. Pkt. 15c.

AUREA PURA. Yellow Gem, pure yellow. Pkt. 15c.

Odier, or Blotched. Superb, large flowers beautifully blotched with rich and varied colors. Extra mixed. Pkt. 20c.

Giant Trimardeau.
The flowers are of immense size and exquisitely marked.

WHITE. Pkt. 15c.

YELLOW. Pkt. 15c.

VIOLET BLUE
Pkt. 15c.

KING OF THE BLACKS. Pkt. 15c.

STRIPED. Pkt. 15c.
MIXED. Pkt. 15c.

BUGNOTS. SUPERB BLOTCHED. Pkt. 25c.

COQUETTE DE POISSY. New, Mauve. Pkt. 10c.

ALBA PURA. Lady in White, pure white. Pkt. 15c.

PARISIAN LARGEST SPOTTED. New, very large flowering. Pkt. 15c.

EMPEROR WILLIAM. Indigo, dark center. Pkt. 5c.

PRESIDENT CARNOT. A fine new variety of the Odier type. Pkt. 15c.



King of the Blacks.

FAUST, OR KING OF THE BLACKS. This is an exceptionally fine strain of this handsome variety and we recommend it highly. Pkt. 10c.

FANCY STRIPED. Large flowered. Pkt. 10c.
LARGE, Pure White. Pkt. 5c.

LIGHT BLUE. Pkt. 5c.
MAMMOTH MIXED. Pkt. 15c.

EXTRA MIXED. Pkt. 10c.
FINE MIXED. Pkt. 5c.

Pampas Grass. (*Gynerium argenteum*.) A noble, perennial, ornamental grass, easily grown from seed, producing majestic plumes. Pkt. 5c.

Perilla Nankinensis. Attractive ornamental-leaved plants. Pkt. 5c.

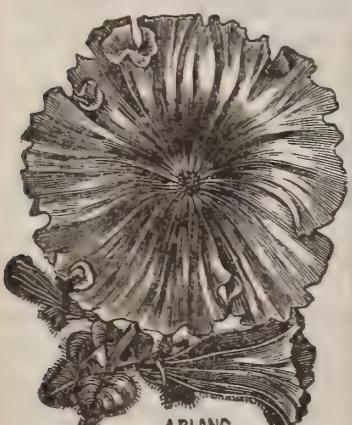
Portulaca.

(Rose Moss.) Unrivaled for the brilliancy and delicacy of their colors. Great favorites everywhere. Single Mixed, 5c. Double Mixed, 10c.



Portulaca.

Pentstemon. Beautiful herbaceous perennial, very hardy and free-flowering. **MIXED.** Pkt. 5c.



Petunia.

Petunia. Most valuable plants, succeeding well everywhere. They are particularly showy in beds or masses, and are universal favorites on account of their richness of color, fragrance and continuous blooming. Hardy perennial, blooming the first year.

FINE SINGLE MIXED. Pkt. 5c.

LARGE FLOWERED WHITE. Pkt. 10c.

DOUBLE MIXED. Choice Hybrids. Pkt. 25c.

INIMITABLE. Striped and blotched. Fine Mixed. Pkt. 10c.

Use JADOO
FIBER for a potting earth: It will invigorate and put new life into your plants.

Pyrethrum. (*Parthenium Aureum*.) (Golden Feather.) Golden foliage invaluable for bedding purposes. Pkt. 10c.

SELAGENOIDES. Fine, fern-leaved. Pkt. 10c.

Phlox Drummondii.

These flowers are of extreme beauty and are greatly admired by all. Their long duration in bloom, combined with their almost unequalled richness of color, renders them of invaluable service in the general flower garden.

Half-hardy annuals.



Phlox Drummondii.

GRANDIFLORA. Fine Mixed. Scarlet, White, each. Pkt. 5c.

Phlox Decussata. Perennial. Fine Mixed. Pkt. 10c.

Pink. (*Dianthus*.) For beauty, fragrance and, general utility, can not be excelled.

CHINENSIS FL. PL. (China or India Pink.) Double mixed. Pkt. 5c.

HEDDEWIGII FL. PL. Color varies from richest velvety crimson to delicate rose. Pkt. 10c.

LACINIATUS FL. PL. Fine double fringed, finest assorted colors. Pkt. 5c.

PLUMARIUS. Fine Mixed. Pkt. 5c.



Pinks.

Poppy. (*Papaver*.) A genus of showy, free-flowering plants, producing a rich effective display in large mixed borders.

DOUBLE CARNATION. Handsome and well-known species with double flowers of various colors. Mixed. Pkt. 5c.

SHIRLEY, white, through delicate shades of pink to crimson. Best mixed. Pkt. 10c.

Poppies.

NUDICAULE. (Iceland Poppy.) Large and showy; splendid alpine. Pkt. 10c.

DANE BROG. (Danish Flag.) Scarlet, with a white spot at the base of each petal; brilliant. Pkt. 5c.

DOUBLE SCARLET. WHITE. DOUBLE AMERICAN FLAG. Each, Pkt. 5c.

BRACTEATUM. Hardy Perennial. Very showy. Red. Pkt. 5c.





CUPID VARIETIES.

White Cupid. The first genuine dwarf sweet pea. Pure white. Pkt. 5c; 1 oz. 20c.

Pink Cupid. Like the White Cupid except in color. Pkt. 5c; 1 oz. 20c.

Primrose Cupid. Light yellow. Pkt. 5c.

Countess of Radnor Cupid. Lavender. Pkt. 5c.

Firefly Cupid. Scarlet. Pkt. 5c.

Boreatton Cupid. Maroon. Pkt. 5c.

SWEET PEAS.

The seed should be sown as early as practical, in drills six inches deep. At time of sowing cover only with one inch of soil and fill in the drill as the young plants grow, taking care not to cover the top of the plants. A deep rich soil in a sunny situation is the best. Our stock is from the largest Sweet Pea growers in the United States, and is equal in quality to that offered by any Eastern firm. We offer them at the following prices, except as otherwise noted:

Pkt. 5c; 1 oz. 10c; 2 oz. 15c; 1-4 lb. 25c; 1 lb. 60c.

WHITE.

Blanche Burpee. Eckford's large pure white.
Sadie Burpee. Large pure white.

Emily Henderson. Large; blooms early and profusely.

YELLOW.

Mrs. Eckford. Beautifully shaded primrose yellow.

Golden Gleam. Beautiful Primrose; the finest yellow.

Queen Victoria. Pale yellow or light primrose.

PINK.

Blushing Beauty. Very fine, delicate pink.
Katherine Tracy. Soft, but brilliant pink.

Lovely. Soft shell-pink; most beautiful.

Modesty. White, with tint of pink.

Oriental. Standard, bright orange pink.

Prima Donna. A most lovely shade of soft pink.

Pink Friar. Light pink, large size.

ROSE.

Chancellor. Orange pink, deep rose veins.

Fashion. Rose magenta, self-colored.

Her Majesty. Bold flowers of a most beautiful rose color.

Lady Penzance. Standard orange pink; wings pure pink.

Mrs. Dugdale. Crimson rose, self-colored.

Ovid. Rose-pink, margined with deeper rose.

SCARLET.

Brilliant. Newest and brightest scarlet.**Firefly.** A deep brilliant scarlet; truly a fiery shade.**Mars.** Brilliant scarlet, fine form, but blackens under strong sun.**Prince Edward of York.** Standard scarlet, wings crimson.**Salopian.** Bright crimson scarlet. A constant bloomer.

BLUISH.

Captain of the Blues. Purplish-mauve and pale blue.**Dolly Varden.** Purple and lilac.

LAVENDER.

Countess of Radnor. Pale mauve; or lavender.**Lady Grisel Hamilton.** Standard mauve, wings lavender; largest and best.**New Countess.** The best new lavender.**Celestial.** Delicate lavender, bordering on light blue.**Lady Nina Balfour.** Extra fine.

MAUVE.

Dorothy Tennant. Standard rosie-mauve; wings bluish-mauve.**Emily Eckford.** Standard light reddish-mauve; wings a true blue.

MAROON.

Black Knight. Deep maroon, almost black.**Duke of Sutherland.** Dark violet and purple.**Navy Blue.** Standard indigo and violet.**Othello.** Very dark maroon showing veins almost black.**Shahzada.** A rich, dark, velvety maroon.**Stanley.** Rich, dark maroon.

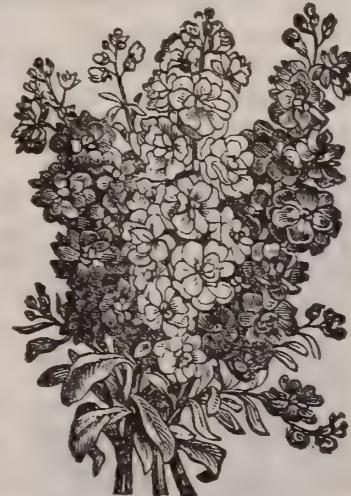
MAGENTA.

Captivation. Beautiful, light magenta or claret color.

BLENDINGS AND VARIEGATED.

Aurora. Flaked orange-salmon.**America.** The brightest blood red striped.**Blanche Ferry.** The popular pink and white.**Blanche Ferry, Extra Early.** Same as above, except about ten days earlier.**Coquette.** Primrose yellow, shaded with pale lavender.**Countess of Aberdeen.** Soft pink, turning lighter.**Countess of Powis.** Standard bright orange-salmon; wings pink veined.**Crown Jewel.** Primrose ground, veined with violet rose; charming.**Emily Lynch.** Deep rose-pink, shaded buff; softer in wings.**Gray Friar.** Beautiful watered purple on white ground.**Gorgeous.** Scarlet, tinged with orange.**Lottie Eckford.** White suffused with lavender-blue.**Lottie Hutchins.** Primrose, striped with pink.**Mrs. Joseph Chamberlain.** Rose, striped on white.**Royal Rose.** The standard deep rosy-pink; the wings are a most charming, light rosy-pink.**Sensation.** Light pink and buff.**Stella Morse.** Buff with tint of pink.**Triumph.** Rosy-pink standard, white wings.**Venus.** Lovely salmon-buff, shaded rosy-pink.**Wawona.** Lilac striped on white.**Named Varieties, Mixed.** A mixture of the above fine varieties. Pkt. 5c; 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 60c.**Extra Mixed.** Large flowered. 1 oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 50c.**Pea, Everlasting.** (*Lathyrus latifolius*.) Hardy perennial climber. Flower similar to Sweet Peas, but not fragrant. **WHITE.** Pkt. 10c; **MIXED.** Pkt. 5c.**Primula.** (*Primrose*.) The first three varieties named below are hardy, early blooming garden plants, and the others beautiful winter-blooming house plants.**POLYANTHUS.** Early blooming, dwarf growing plants, valuable for beds. **Mixed.** Pkt. 10c.**VULGARIS.** Yellow, common English *Primrose*. Pkt. 10c.**JAPONICA.** (*Japanese*.) Mixed, all colors. Pkt. 10c.**SINENSIS FIMBRIATA.** Choice fringed varieties. **Mixed.** Pkt. 25c.**ALBA MAGNIFICA.** Large White. Pkt. 25c.**RUBRA.** Large Red. Pkt. 25c.**DOUBLE FINEST MIXED.** Pkt. 50c.**Stocks.** (*German Ten Weeks*.) Unsurpassed for beauty and fragrance. Fine for pots, bedding, edgings, etc., blooming all summer.**DWARF, LARGE FLOWERING.** White, Crimson, Rose, Light Blue, Mixed. Each, Pkt. 10c.**EMPEROR, OR PERPETUAL.** Large flowering White. Pkt. 10c. **Mixed.** Pkt. 10c.**WINTER OR BROMPTON.** Large flowering White. Pkt. 10c. **Mixed.** Pkt. 10c.**Salpiglossis.** An annual having very showy, funnel shaped flowers of large size. Fine for bedding purposes in rich soil.**TALL MIXED.** Pkt. 5c.**FINE DWARF MIXED.** Pkt. 5c.**Sweet Rocket.** (*Hesperis*.) Free-blooming and very fragrant. White. Pkt. 5c.

Primrose.



Stocks.



Salvia.

Sweet William. (*Dianthus barbatus*.) The colors are very brilliant, ranging from snow-white to darkest crimson and purple. Hardy perennial. SINGLE MIXED. Pkt. 5c. DOUBLE MIXED. Pkt. 5c.

Dumett's. Crimson, Single. Pkt. 10c.

Sweet Sultan. (*Centaurea*.) Pretty border annual, with long stems. Do not transplant. Fine for cutting. Pkt. 5c.

Schizanthus. Attractive looking, free blooming annual, bearing beautiful flowers of many shades of color. Pkt. 5c.

Scabiosa. (Mourning Bride.) Showy border plant, with fine variegated flowers. DWARF DOUBLE. MIXED. Pkt. 5c.

Stipa Pennata. Fine ornamental grass. Pkt. 5c.

Sunflower. (*Helianthus*.) Large, showy plants, especially suitable for backgrounds and shrubby borders.

NANUS FOLIUS VARIEGATIS. Dwarf with variegated foliage. Pkt. 5c.

CALIFORNICUS. Orange, extra large and double. Pkt. 5c.

GLOBULUS FISTULOSUS, FL. PL. Saffron, very double. Pkt. 5c.

MULTIFLORA, FL. PL. Beautiful, double, yellow flowers. Pkt. 5c.

LARGE RUSSIAN SINGLE. Pkt. 5c.



Smilax.

Statice. Very free-flowering; the flowers are valuable for winter bouquets.

ANNUAL VARIETIES. Mixed. Pkt. 5c.

PERENNIAL VARIETIES. Mixed. Pkt. 5c.

Smilax. (*Myrsiphyllum Asparagooides*.) A graceful climbing plant, beautiful when cut, for house and table decorations. Pkt. 10c.

Snap dragon. (*Antirrhinum*.) One of the finest free-blooming perennials, especially good for beds and borders.

TALL FINEST MIXED. Pkt. 5c.

DWARF FINEST MIXED. Pkt. 5c.

Thunbergia. An interesting class of plants of easy culture and attractive bloom. Fine Mixed. Pkt. 5c.

Violet. (*Viola Odorata*.) Early-blooming plants. Useful for borders, rock work and bedding. Exceedingly fragrant, a few flowers being sufficient to fill a room with their delicious fragrance. Thrives best in a cool, shady place. Hardy perennial of easy cultivation. BLUE. Pkt. 10c. WHITE. Pkt. 10c.



Scabiosa.

Verbena. A well-known and universally popular bedding plant, blooming all summer. Plants grown from seed are more healthy and make larger and hardier plants than those from cuttings; if sown in spring will flower quite early. Half-hardy perennial. Hybrida Mixed.

Pkt. 10c.



Mammoth Verbena.

MAMMOTH. Extra fine Mixed. Pkt. 10c.

CANDIDISSIMA. White. Pkt. 10c.

HYBRIDA DEFIANCE. Fiery scarlet. Pkt. 10c. STRIPED, BLUE. Each, per pkt. 10c.

Vineca. Fine for conservatory, parlor, borders or beds. Mixed. Pkt. 10c.

Viscaria. (Rose of Heaven.) Adapted either for beds, edgings or clumps, their profuseness of bloom will always rank them among general favorites. Hardy annuals. Fine Mixed. Pkt. 5c.

Wall Flower.

(*Cheiranthus cheiri*.) A well known, half hardy perennial, producing spikes of beautiful, exceedingly fragrant flowers. The petals are velvety; the color deep orange shading to brown; rich and handsome. If taken in or protected they will bloom all winter. Mixed. Pkt. 5c.

DARK BROWN, YELLOW. Each, pkt. 5c.

FINEST DOUBLE MIXED. Pkt. 10c.



Single Wall Flower.

Valeriana. Fine border plants, with sweet-scented flowers. Fine Mixed. Pkt. 5c.

Virginian Stock. A fine early flowering plant. Mixed. Pkt. 5c.

Xeranthemum. One of the oldest Everlastings; the flowers retain their color and form longest of all. Double Mixed. Pkt. 5c.

Our Fertilizers and Fancy Lawn Grass Seed will make the finest of Lawns.



Zinnia.

Zea. Japonica Variegata. (Ornamental Maize.) Prized for its beautiful, variegated foliage. Finest Mixed, all varieties. Pkt. 5c.

GRACILLIMA. Pkt. 5c.

Zinnia Elegans. Fine bedding and border plants of easiest cultivation, and should be in every collection.

TALL DOUBLE. Mixed. Pkt. 5c.

DWARF DOUBLE. Mixed. Pkt. 5c.

FLOWER SEEDS IN BULK.

We give below a few of the many varieties of Flower Seed that we can furnish in bulk.

	Per Oz.
Alyssum, Sweet	\$0.25
Aster, Tall and Branching.....	.45
Aster, Dwarf Chrysanthemum	1.15
Aster, German Quilled .....	.50
Balsam, Dwarf Mixed .....	.40
Balsam, Tall Mixed .....	.35
Cosmos, Mammoth varieties .....	.75
Candytuft Odorata .....	.15
Caster Beans .....	.10
Four O'clock .....	.15
Gourds, Eggshaped .....	.30
Gourds, Bottle or Dipper.....	.25
Hollyhock, Double White	1.25
Hollyhock, Double Mixed .....	.60
Mignonette, Machet varieties .....	.60
Mignonette, Reseda Odorata .....	.15
Morning Glory, Tall .....	.10
Morning Glory, Dwarf.....	.20

	Per Oz.
Morning Glory, Imperial Japanese.....	\$0.25
Nasturtium, Dwarf Mixed .....	.15
Nasturtium, Lobbianum Tall.....	.15
Peas, Everlasting, White .....	.65
Peas, Everlasting, Mixed .....	.40
Portulaca, Fine Mixed .....	.35
Pansy, Giant Trimardeau	1.50
Pansy, Trimardeau, White	1.50
Pansy, Superior quality Mixed	1.00
Pansy, Odier	3.50
Poppy, Shirley .....	.75
Poppy, Carnation Flowered .....	.25
Phlox Drummondii .....	.55
Smilax .....	.30
Sunflower, Choicest varieties .....	.25
Sunflower, Common varieties .....	.10
Verbena, Finest Mixed .....	.75

FLOWERING BULBS.

We are constantly increasing the variety and quantity of flowering bulbs which we handle. Our list of Hyacinths, Tulips, Narcissus, Japanese Lilies, etc., is worthy of special attention. and we are sure cannot fail to please the lover of handsome flowers. Try a bed of them this year.

Bleeding Heart. Produces freely large racemes of pink and white heart-shaped flowers. Graceful foliage. Each, by mail, 30c.

Caladium Esculentum, or Elephant's Ear. Large size, 40c; per doz. \$4.00, postpaid. Medium size, 30c; per dozen, \$3.00, postpaid.

Dahlia Double. When ordering state color wished. Medium size, each 15c; per doz. \$1.50, postpaid; large size, each 20c; per doz. \$2.00, postpaid.

Cactus Dahlia. Medium size, each 15c; per doz. \$1.50, postpaid. Large size, each, 20c; per doz. \$2.00, postpaid.

We are State Agents for International Poultry Food.

Gladiolus. A magnificent class of summer flowering bulbs. Mixed Colors, large size, each, 10c; per doz. 65c; medium size, each, 5c; per doz. 50c. All postpaid.

LEMOINE VARIETIES, MIXED. Each, 15c; per doz. \$1.50, postpaid.

Lily of the Valley. FORCING PIPS. Each 5c; per doz. 30c; per doz. by mail, 40c.



Lemoine Gladiolus.

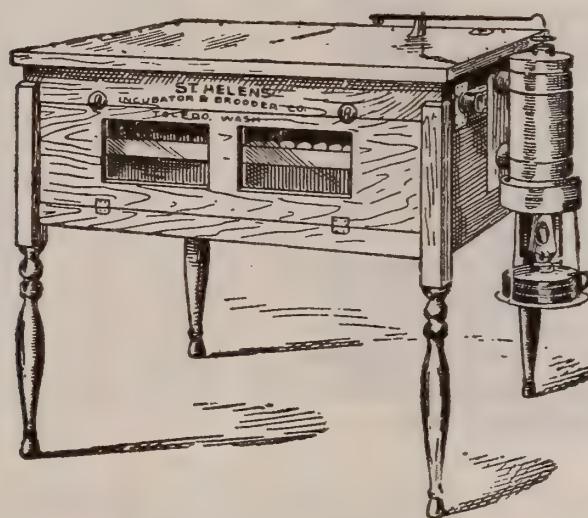
POULTRY SUPPLY DEPARTMENT.

We give especial attention to this department of our business and aim to have everything that is needed in a first-class, up-to-date poultry yard.

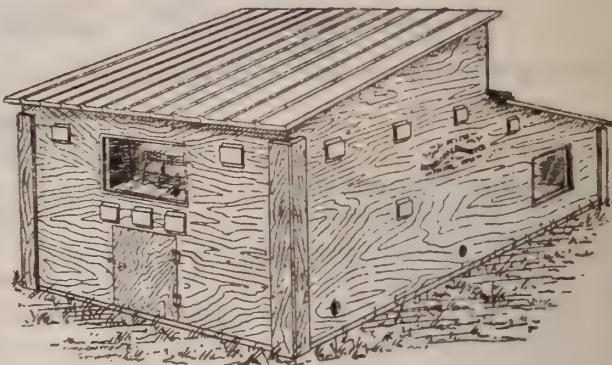
ST. HELENS

INCUBATORS AND BROODERS.

The St. Helens Incubators are perfectly self-regulating, made of the very best seasoned material, white fir, and are built for hard, practical use, to last for years and turn out hatches equal to the best made.



The St. Helens Incubator.



The St. Helens Brooder.

It is just as important to rear the chicks as it is to hatch them, and for this purpose the St. Helens Brooder is what you want.

PRICE LIST:

No. 1, 60-Egg Incubator.....	\$12.00
No. 2, 150-Egg Incubator.....	26.00
No. 3, 320-Egg Incubator.....	40.00
No. 1, Indoor Superior Brooder.....	\$4.50
No. 1, Outdoor Superior Brooder.....	5.50
No. 2, Indoor, with run attachment.....	8.00

INTERNATIONAL POULTRY FOOD.

The great increase in production of eggs has given "International Poultry Food" a wonderful reputation throughout the country.

WE GUARANTEE that it cannot be fed to hens at any time, winter or summer, without showing a large increase in eggs. You do not have to use the food at an extra expense because it will make you more money after deducting its cost. One extra egg per month will pay the entire cost of feeding it and often more than double the supply. It contains no poisonous or injurious ingredients; has very superior merits.

We recommend it to our patrons as being the best Poultry Food, and Egg Producer on the market.

The Great Egg Producer. Very Important
"International Poultry Food" sells for 25 cents per box which contains 100 feeds for 12 fowls.

"International Poultry Food" sells for 50 cents per box which contains 225 feeds for 12 fowls.

"International Poultry Food" sells for \$1.00 per box which contains 500 feeds for 12 fowls.

Our 25-cent box contains enough feed to equal the \$1.00 size of many other kinds. Always compare the number of feeds and not the size of the box.

International Stock, and Poultry Book mailed on application.

WE ARE STATE AGENTS FOR INTERNATIONAL POULTRY FOODS.

MANN BONE CUTTERS.

MORE IN USE TODAY IN THE WORLD THAN ALL OTHERS PUT TOGETHER. WHAT COULD BE STRONGER?

Our space here is insufficient to describe the many excellent features peculiar to the Mann machine. Especially since the advent of the 1902 models with their large open hopper, affording easy access to all working parts and knives, which can be easily set to suit operator for fine or coarse bone. The automatic force feed with ingenious governing device which controls the pressure and can be instantly set to suit the strength of operator, whether strong man or young boy or girl. The position of knives which are firmly

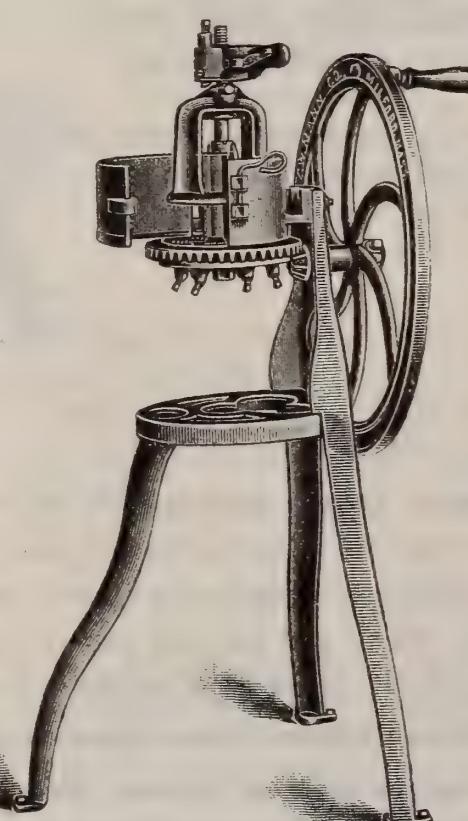
set in a strong circulating disc, and all of which are constantly working, cutting the bone at right angles, thus granulating it in best possible shape for use. Beware of slivered bone as produced by some so-called easy running mills.

Price List of Mann Cutters.

New styles	Price.
No. 5 C, (with crank handle).....	\$ 7.75
No. 5 B, (with balance wheel).....	10.00
No. 5 B M, (B. W. and iron stand)....	13.00
No. 7 (B. W. and iron stand).....	14.50
No. 9 (B. W. and iron stand).....	21.00
No. 11 Power Machine	30.00
No. 12 Power Machine	34.00

Old styles.

No. 1 C, (with crank handle).....	\$ 7.50
No. 1 B, (with balance wheel).....	8.75
No. 1 B M, (B. W. and iron stand)....	12.50
No. 4 B, (with balance wheel).....	15.00
No. 4 B M, (B. W. and iron stand)....	18.00
No. 2, (Standard Bone Cutter).....	20.00



Mann's New No. 7.

Mann's New No. 5 B.

The New No. 5 displaces old No. 1 in that it has more knives, larger cylinder and new automatic feed governor. A very effective machine for small flocks. Weight, with stand, 80 lbs., without, 55 lbs. Capacity, 15 to 25 lbs. per hour.

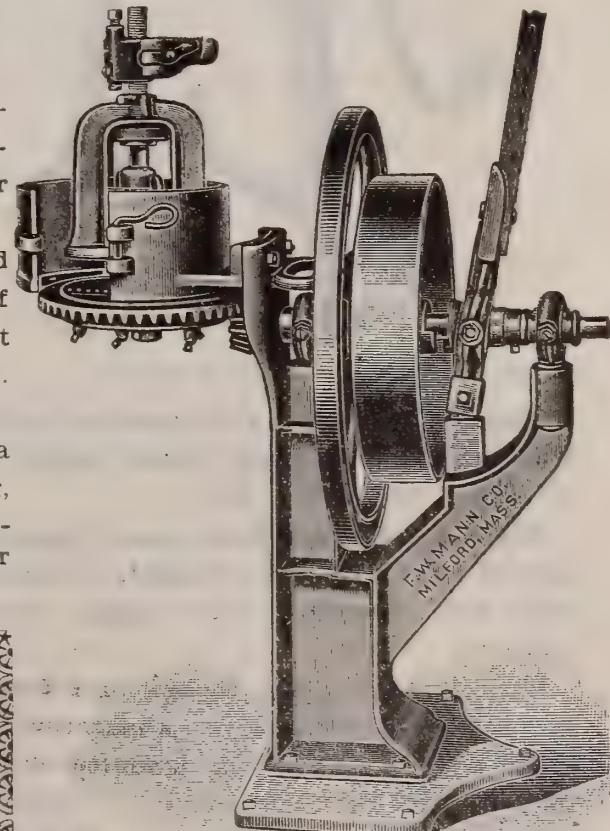
The New No. 7 supplants the old No. 4 with its larger and open cylinder and other improvements as described in No. 5. This is a very strong, simple and serviceable machine, suited to people who have moderately large flocks. Weight, 105 lbs. Capacity, $\frac{1}{2}$ to 1 lb. per minute.

The No. 9 is similar to No. 7, with larger cylinder and grinding capacity, larger stand of different shape. Readily convertible into a power machine (No. 11) by simply adding power parts. Weight 163 lbs.

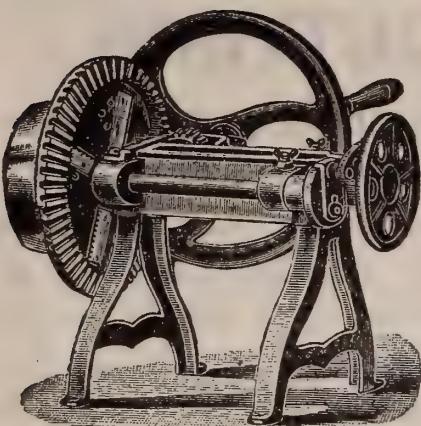
The No. 11 is intended for large flocks, semi-power and semi-hand—the No. 9 with power parts added. The economy of this machine is very apparent. In case power should give out it can be worked very effectively by hand. Weight 215 lbs. Capacity 100 lbs. per hour.

The No. 12 is designed to run by power only, and is a strong, powerful machine with large, open cylinder, anti-clog, grab clutch, and all the late improvements. Intended for market grinding and continuous heavy work. $\frac{1}{2}$ to $1\frac{1}{2}$ horse power required. Weight 260 lbs. Capacity 125 to 150 lbs. per hour.

Nos. 1 to 9 (5, 7, 9 and 1, 4, 6, 2,) are guaranteed for one year. If any part breaks while in actual use it will be furnished free, except transportation. This guarantee is lived up to by the factory and insures you a Hand Bone Cutter that will stand up to the business.



Mann's New Power No. 12.



DANDY BONE CUTTERS.

Dandy Bone Cutters are comparatively new machines, but they are well made, easy running, strong machines. Guaranteed for one year. Automatic feed. Change instantly from fine to coarse cut. They are a justly popular machine and embody many excellent features.

Dandy No. 1, a splendid machine for the price. Self-feed. Inside dimensions of box 4x3x13. Weight 100 lbs. Price, \$12.00.

No. 2 is the same as No. 1 except that it has the latest improved split feed nut. Weight 100 lbs. Price, \$14.00.

No. 3 is for either hand or power. Dimensions, 4x3x20 in. Weight 165 lbs. Price, \$20.00.

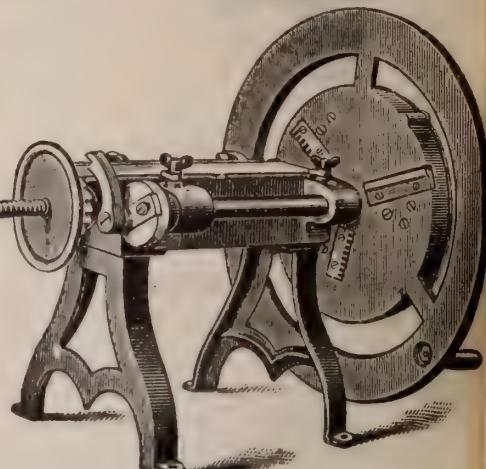
No. 9 Dandy Geared.

No. 9 is a great cutter, about the same size as No. 1. This is a favorite from which we get good report. Weight 100 lbs. Price, \$13.00.

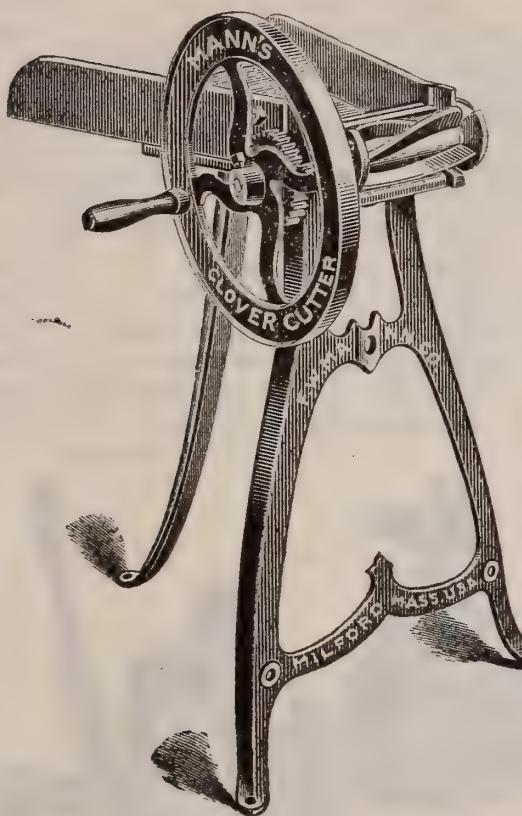
No. 10, same as No. 9, except that it has the latest improved split nut feed. Weight 100 lbs. Price, \$15.00.

No. 11, same as No. 9, except that it is much larger. Inside dimensions of feed box, 4x3x13. Weight 130 lbs. Price, \$16.00.

No. 12, same as No. 11, except that it has improved split nut feed. Weight 135 lbs. Price, \$18.00,



No. 1 Dandy.



Mann's Clover Cutter Mounted.

Mann's Mortar. Perforated corrugated cast iron. For breaking glass, crockery, oyster shells, etc., for poultry. Weight 33 lbs. Price, \$3.50.

Wilson's Crown Bone and Vegetable Cutter, good general service machine. Weight, without stand, 50 lbs. Price, \$9.50. Mounted on iron stand. Weight, 80 lbs. Price, \$11.00.

Mann's Swinging Trays for water or feed. A unique device to keep food clean. Fowls cannot perch on it anywhere or how. Clean food and water are absolutely necessary to good health in poultry. Price, 18 in., \$1.00; 27 in., \$1.25; 36 in., \$1.50.

Mann Clover Cutters are valuable machines for poultrymen. Cut green clover is the best of good food for poultry, and no machine will cut it up better, faster and easier than the Mann machine. See it and you will buy it. Price, \$9.50. Mounted on iron stand, \$12.00. None other so good for twice the money.

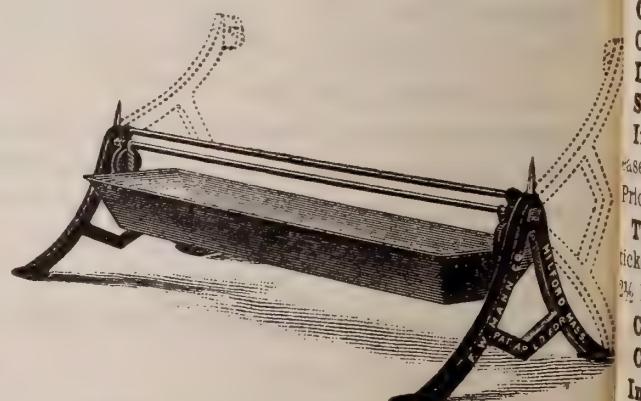
Wilson's Gem Clover Cutter. Price, \$11.00.

Stearns' Clover Cutter. \$3.00.

Webster & Hannum Bone Cutters, good machines for light work. No. 2, \$13.00; No. 4, \$9.00.

Humphrey's Bone Cutters.

No. 1, hand power.....	\$14.00	No. 2, hand and power.....	\$18.00
No. 2, semi-power	16.50	No. 3, direct power.....	37.00



Mann's Swinging Feed Trays.

The Wilson Dry Bone Mill, No. 1, is just what you want for grinding all kinds of shell, crockery, grit, burnt or dry bone, feed etc. Weight 33 lbs. Diameter of Hand-Wheel 20 inches. Price, \$5.50.

A party writes that he ground \$105.00 worth of oyster shells, which he sold, on the No. 1 Mill, and the mill is as good as new.

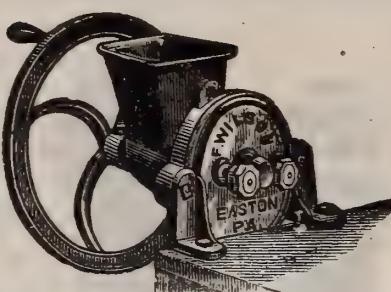
No. 0, Wilson's, is a Family Grist mill in itself, especially made for grinding graham, flour or corn-meal, for table use. It can also be adjusted for cracking grain if desired.

This mill is not to be compared to those made on the old style coffee-mill principle. Diameter of Hand-Wheel 20 inches, weight 30 pounds. Price, \$5.50.

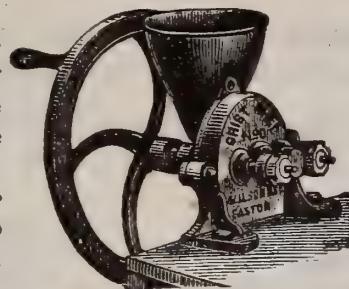
Spring Lever Punch, 25c.

Poultry Marker. Pilling's steel-spring punch, made for perforating the membrane between toes of the fowl, and makes an indestructible mark. By mail, 25c.

The Reliable Spring Lever Poultry Punch for marking the web between the toes. Strong and durable. By mail, 35c.



Wilson's Mill No. 1.



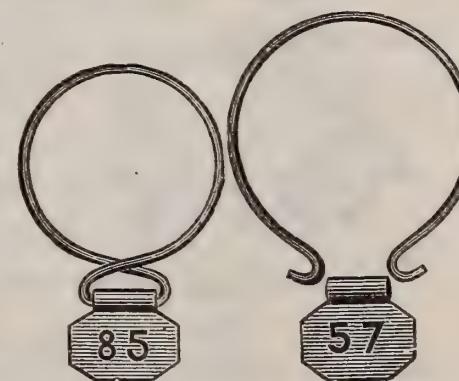
Wilson Feed Mill No. 0.

Pilling's Caponizing Sets, complete with instructions, by mail, \$2.50. In velvet lined case, \$2.75. Capons take less food, make larger fowl and bring higher price than others.

French Poultry Killing Knife. By mail, 50 cents. Almost indispensable when preparing birds for the market.



Reliable Poultry Punch.



Climax Leg Bands.

Climax Leg Bands. No. 1, $\frac{1}{2}$ inch; No. 2, $\frac{5}{8}$ inch; No. 3, $\frac{3}{4}$ inch; No. 4, $\frac{7}{8}$ inch; No. 5, 1 inch; No. 6, $1\frac{1}{8}$ inch. Per doz. 25c; per 25, 40c; per 50, 75c; per 100, \$1.35.

Copper Leg Bands. Adjustable, per doz. 20 cents, postpaid.

Bricknel's Rubber Leg Bands, $\frac{1}{8}$ inch and 1 inch, 60c doz. $\frac{5}{8}$ inch, 55c doz. Postpaid.

FOOD SPECIALTIES, ETC.

Diamond Egg Manna, an unexcelled egg producing ration. Feed warm (not hot) every morning. Result will be more eggs and healthier poultry. Best food properties correctly proportioned. Cheaper than grain and O so much better. A trial will convince. 100 lb. sk. \$1.75; 50 lb. sk. 90c.

Diamond Chick Food, a complete and properly proportioned food for chicks. Vegetable, animal, mineral. Needs no accessories. Save your chicks. 25 lb. sk. \$1.00; 50 lb. sk. \$1.85; 100 lb. sk. \$3.50.

Diamond Hen Food, a complete dry ration. 100 lbs. \$2.00; 50 lb. sk. \$1.15.

Granulated Bone, an excellent egg maker. You know that. Next best thing to green cut bone. 1 lb. 2c; 100 lbs. \$1.75.

Meat Meal, an indispensable egg making ration. Rich in protean. Wholesome, nutritious. 1 lb. 3c; 100 lbs. \$2.00.

Darling's Beef Scrap. A valuable article of food to make hens grow and lay. 10 lbs. 40c; 100 lbs. \$3.50.

Clover Meal. Well cured green clover, ground. Invaluable winter food property. 5 lbs. 25c; 25 lbs. \$1.00.

Oyster Shell, Eastern. 1 lb. 2c; 100 lbs. \$1.50. **Fine for chicks and birds.** 1 lb. 2c; 100 lbs. \$1.50.

Clam Shell. 1 lb. 2c; 100 lbs. market price.

Diamond Granite Grit. Hardest broken granite, the best quality. 1 lb. 2c; 100 lbs. \$1.50.

Standard Poultry Grit, decomposed granite. 1 lb. $1\frac{1}{2}$ c; 100 lbs. \$1.00.

International Pheno Choloro. The greatest known disinfectant. It prevents contagious diseases, kills microbes and germs. Every can makes twenty-five gallons of disinfectant ready for use. Price, 50c.

Thanolice. Sure death to lice and insects of all kinds. For lice on poultry, horses, cattle or plants, ticks on sheep, fleas on dogs, moths in carpets or furs. 5 oz. 10c, by mail 17c; 1 lb. 25c, by mail 43c; $2\frac{1}{2}$ lbs. 50c, by mail 95c.

Creosozone, a good liquid lice killer. Per qt. 50c.

Carbolonium, 1 qt. 50c.

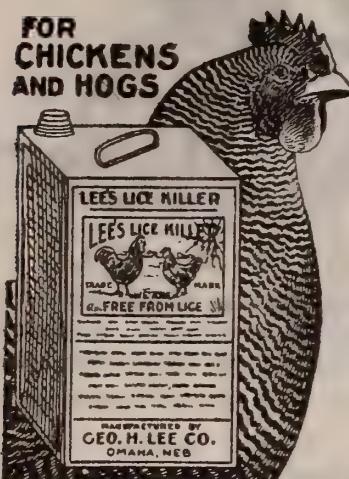
Imperial Egg Food. 1 lb. 45c; $2\frac{1}{2}$ lbs. 90c; 6 lb. box, \$2.50

Groesbeck's Egg Producer and Health Food is an excellent egg producer and conditioner. It hastens the moult and so improves the hen's condition that to lay, is a natural consequence. It will cure and prevent most all ailments common to fowl. You should never be without it. Large Pkg. 50c; medium, 25c; 50 lb. box, \$3.75.

Conkey's Roup Cure, for roup and canker, 50c and \$1.00.

Roup Syringe, Price 10c; by mail, postpaid, 15c.

LEES LICE KILLER.



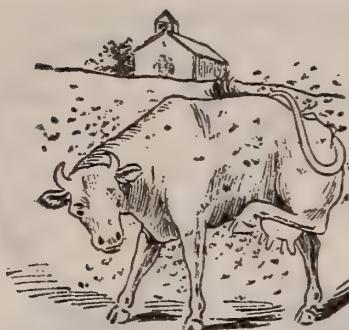
Is unexcelled if equaled as a vermin and disease germ exterminator.

Paint or spray on roosts and about hen-house, the fumes will purify the air, penetrate the feathers and destroy all vermin. Apply on rubbing posts and bedding for hog lice. Qt. 35c; $\frac{1}{2}$ gal. 60c; gal. \$1.00; 5 gal. \$4.00.

Lee's Egg Maker, superfine we assure you. Large Pkg.....	25c	Lee's Carbolic Sheep Dip, qt. can. 40c Lee's Hickory Smoke Extract, 12 oz. 35c; 32 oz. 75c
Lee's Peerless Gopher Killer, quarts	75c	Lee's Peerless Bug Killer, bottle. 25c Lee's Tonic Powder, 1 lb. Pkg..... 25c

FLYO-CURO. The true "God send" to cows and horses and "Furry" to the flies. It means one-third less feed to horses and cows and one-third more milk in the bucket. It means comfortable milking to cow and man,

in hottest fly days. It means comfortable



working to faithful toiling beasts in field and undisturbed rest in stall. Of indescribable value and insignificant cost. Quarts 50c; gallons, \$1.25.



After Using.

WIRE POULTRY NETTING

Just what you want for fixing up your Poultry Yard, Chicken Runs, Trellises etc.

Rolls 150 ft in length.	No. 20.	19 wire
12 inch	2-in. Mesh	\$0.70
18 inch	2-in. Mesh	1.05
24 inch	2-in. Mesh	1.35
30 inch	2-in. Mesh	1.70
36 inch	2-in. Mesh	2.10
42 inch	2-in. Mesh	2.40
48 inch	2-in. Mesh	2.70
60 inch	2-in. Mesh	3.40
72 inch	2-in. Mesh	4.15

Short lengths 1c per square foot. Write for prices on different sizes and large quantities.

Prices subject to change without notice.

BOOKS.

We offer a list of valuable books for the Gardener, Farmer, Fruit Grower, Bee Keeper, Poultryman, and others in similar lines. Do not fail to inform yourself, by reading some good book on the line you are especially interested in. Any of them will be mailed postpaid at the prices named.

A B C of Bee Culture —Root. (cloth).....	\$1.15
A B C of Potato Culture —A. I. Root.....	.35
Amateur Bee Keeper —Rouse .....	.25
American Standard of Perfection —The standard for scoring Poultry	1.00
Art of Incubation —Von Culin.....	.85
Art of Poultry Breeding .....	.25
Asparagus Culture —Barnes and Robinson... .50	
Barry's Fruit Garden —A splendid work.... 1.50	
Bee Keepers' Guide —Prof. A. J. Cook..... 1.25	
Bommer's Method of Making Manures —A practical and comprehensive guide.....	.25
Belgian Hare Breeding .....	.25
Capon for Profit —Greiner .....	.30
Celery for Profit —T. Greiner.....	.30
Dairying for Profit .....	.25
Ducks and Geese .....	.50
Eggs and Egg Farm .....	.50
Farm-Gardening and Seed-Growing —Brill	1.00
Gardening for Profit —Henderson.....	1.50
Gregory on Fertilizers .....	.40
Garden and Farm Topics —Henderson	1.00
How to Manage Bees —Vandruff.....	.35
Langstroth on the Hive and Honey Bee .. 1.25	

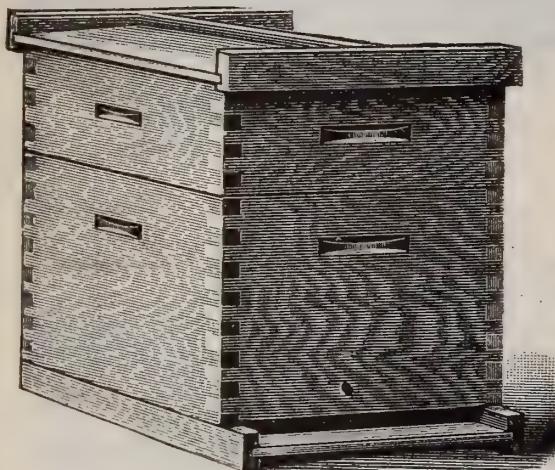
Low-Cost Poultry House	
Manures —F. W. Semper, (paper).....	
Mushrooms, How to Grow Them —William Falconer	\$1.
Mushroom Culture —Robinson	
New Onion Culture —Greiner	
Parsons on the Rose	
Pigeon Queries	
Practical Fruit Grower —S. T. Maynard....	
Principles of Fruit Growing	
Quimby's New Bee Keeping	
Reliable Poultry Remedies	
Small Fruit Culturist —Fuller	
Strawberry Culturist —Fuller	
Success with Poultry	
Silos, Ensilage and Silage —Miles.....	
Spraying for Profit	
The Onion Book	
The Rose —Ellwanger	
Turkeys, and How to Grow Them 1. "B"	
Vegetables Under Glass —Dreer	
500 Questions and Answers	

BEE SUPPLIES.

We carry a very large stock of Bee Supplies, which includes a full assortment of the articles necessary for handling bees in an up-to-date manner. We give herewith a list which includes most of the principal articles that are used by bee keepers.

HIVES.

The Dovetailed Hive is taking the lead over all hives, as it contains many of the most desirable features for the rapid handling of the bees, and is one of the cheapest hives manufactured.



Dovetailed Hive.

No. 1 Dovetailed Hive (complete with 1 super) consists of one bottom board, 1 body, 1 super, 1 cover, 8 Hoffman brood frames, 1 division board, 2 tightening springs) for super, 6 section holders, slotted separators, 24 sections and foundation starters for frames and sections, and nails.

No. 2 Dovetailed Hive is the same as No. 1, less sections and foundation starters.

No. 3 Dovetailed Hive is the same as No. 1, except that it has two supers instead of one.

No. 4 Dovetailed Hive is the same as No. 3, less sections and foundation starters.

No. 10 Dovetailed Hive (complete two-story for extracting) consists of 1 bottom board, 2 bodies, cover, 16 Hoffman brood frames, 2 division boards and nails.

List of prices of Falcon Dovetailed Hives.

Order by No.	Nailed or K. D. Packed	in Flat	Weight. of 10
	1	5	10
	\$2.20	\$9.25	\$18.00
-B	2.20	9.25	18.00
	1.90	7.85	15.25
-B	1.90	7.85	15.25
	2.80	12.25	23.75
-B	2.80	12.25	23.75
	2.40	10.00	19.25
-B	2.40	10.00	19.25
10	2.30	9.75	19.00

"B" designates Supers with Fence Separators and 4½x4½ 1½ inch Sections.

For larger quantities write for prices.

Eastern Pine Hives.

Order by No.	Nailed or K. D. Packed	in Flat	Weight. of 10
	1	10	10
1.	Complete	\$1.85	\$16.00
2.	Empty	1.65	14.00
3.	Complete	2.40	20.00
4.	Empty	1.90	17.00
10.	Empty	2.00	18.00

Five Hives at same rate as ten.

Cedar Hives.

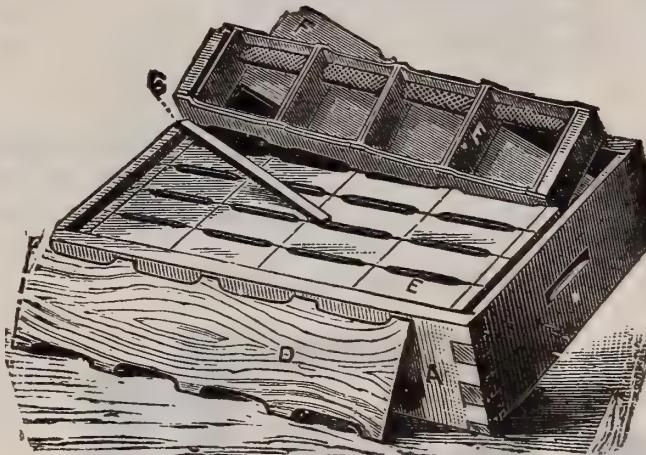
Order by No.	1	5	10	Weight. of 10
1	\$1.85	\$7.75	\$15.00	275
2	1.50	6.25	12.00	250
10	1.95	8.25	16.00	300

Oregon Dovetailed Pine Hives.

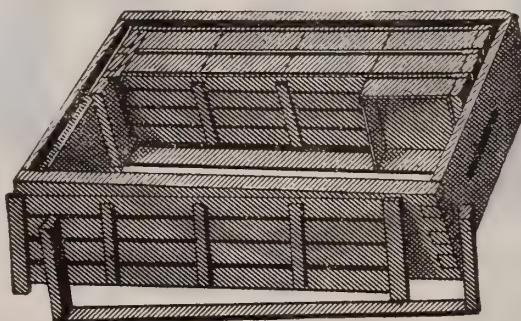
These Hives are made of superior Oregon pine and are first class in every respect.

Write for special prices.

Dovetailed Supers.



Super with Slotted Separators.

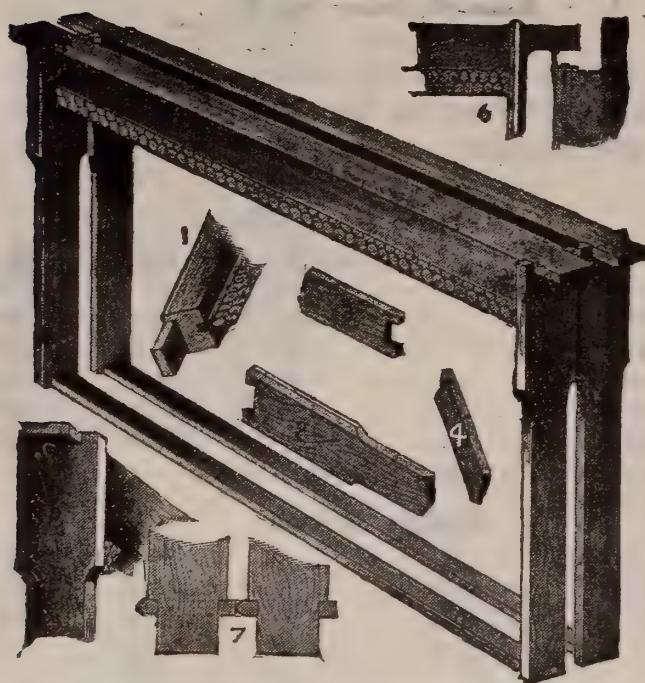


Super with Fence Separators.

Order by No.	Nailed or K. D. Packed	in Flat	Weight. of 10
	1	5	10
1	\$0.70	\$3.15	\$6.00
1-B	.70	3.15	6.00
2	.60	2.40	4.50
2-B	.60	2.40	4.50
O-Empty	.35	1.50	2.75

For description of super, see corresponding number describing hives.

Brood Frames.



Hoffman Improved Foundation Fastening.
Price..... 10, 30c; 100, \$2.50

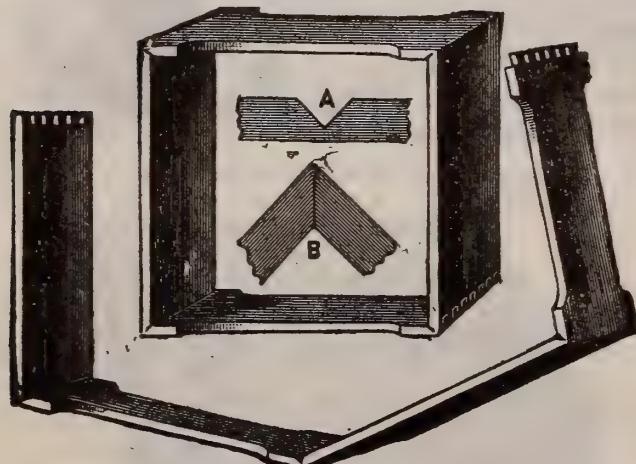
Separators.

	100
Slotted wood separators, 4½x18.....	\$1.00
Slotted wood sliced separators.....	.75
Plain separators .....	.55
Fence separators	2.00

Section Holders.

1½ Slotted	per 100 \$1.75
1½ Plain	per 100 1.75
Section-holder bottoms or pattern slats, 100, \$1.00.	

Polished Sections.



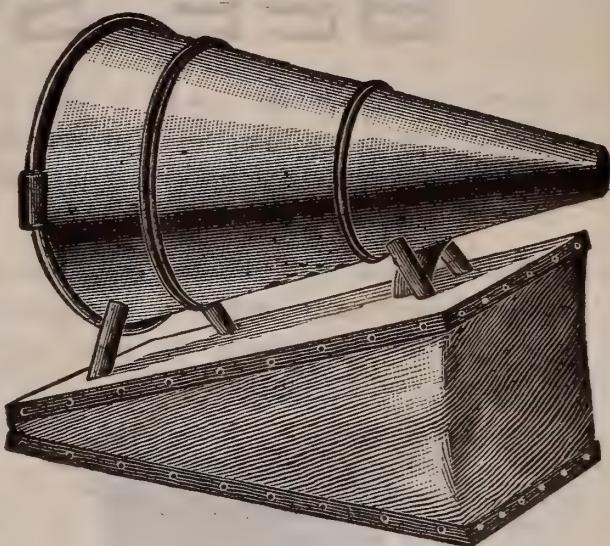
Per 100	500	1000
\$0.60	\$2.50	\$4.75
No. 1. 4¼ x 4¼ x 1¾.		
No. 1. 4¼ x 4¼ x 1 15-16.		
No. 1. 4¼ x 4¼ x 1¾.		
No. 1. 4¼ x 4¼ x 7 to the foot.		
No. 1. 4¼ x 4¼ x 1½. No bee way, 25c M. less.		

Cheap Sections.

We offer a fair quality of sections as follows:
100, 50c; 500, \$2.00; 1000, \$3.75.

For large quantities, other sizes, etc., write for special prices. If ordered by mail, allow 1c each for postage. Sample section by mail, free.

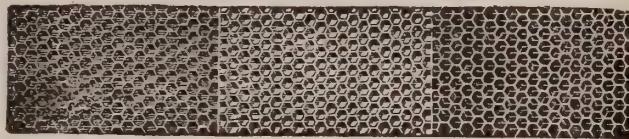
Smokers.



Clark's Cold-Blast Smoker.

	Each.	By mail.
Clark's Cold Blast	\$0.60	\$0.75
Bingham, Conqueror	1.00	1.25
Bingham, Little Wonder .....	.60	.75
Bingham, Doctor	1.25	1.55
Bingham, Large .....	.90	1.10
Corneil	1.00	1.20

Dadant's Comb Foundation.

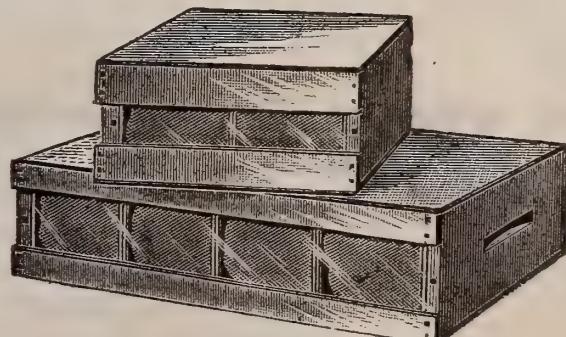


Our foundation is made from Pure Beeswax.

	Square ft.		
—Grade.—	per lb.	lb.	10 lbs.
Light Standard Brood.....	6 to 7	.55	.50
Ex. Light Standard Brood. 8 to 9		.60	.55
Light Section	11 to 12	.65	.60
Extra Light Section	12 to 13	.70	.65

If foundation is wanted by mail, add 25c per lb. up to 2 lbs.; and 20c; per lb. over 2 lbs.

Honey Shipping Cases.



These have a glass front and are designed for marketing honey in.

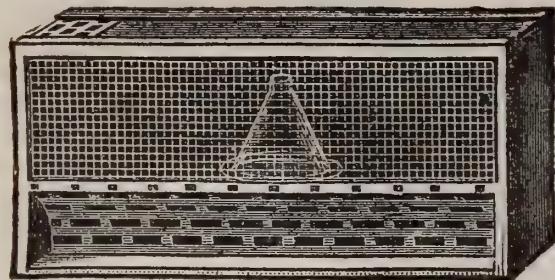
Price List of Shipping Cases.

	Nailed Each	Flat 10
24-lb. Non Drip Shipping Cases.....	\$0.30	\$2.25
12-lb. Shipping Cases .....	.15	1.10
24-lb. for 3½x5 Sections.....	.30	2.25

Prices include nails, glass, etc.

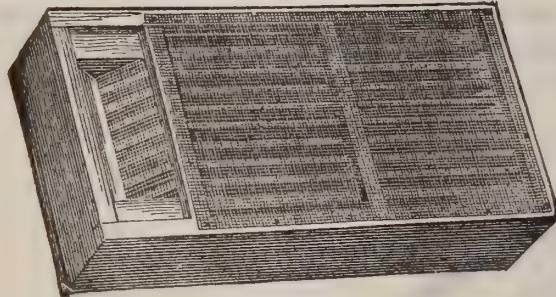
BEE ENTRANCE GUARDS.

Price, 10c; by mail, 15c; 10 for 90c.

DRONE TRAPS.

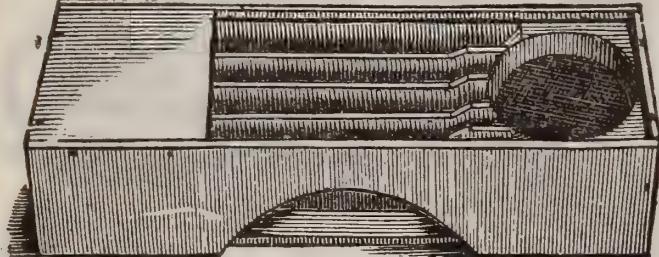
Alley's Combined Drone and Queen Trap.

A perfect non-swarming arrangement. Each, 50c; by mail, each, 15c extra.

FEEDERS, ETC.

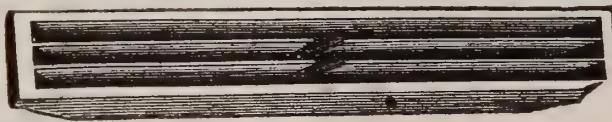
Page Feeder.

Each, complete, 30c; in lots of 10, each, 25c; by mail, extra, each, 25c.



Gray's Covered Simplicity Feeder.

Price, 20c; by mail, 15c extra.



Simplicity Feeder.

Price, 10c; by mail 15c; 10 feeders, 65c.

Miller's Feeder. Each, nailed up, complete, 35c; in flat, 30c.

Boardman's Feeder. Without jar, 20c.

HONEY KNIVES.

Novice. 85c; by mail 90c.

Quimby. \$1.00; by mail \$1.05.

Abbott. 80c; by mail 90c.

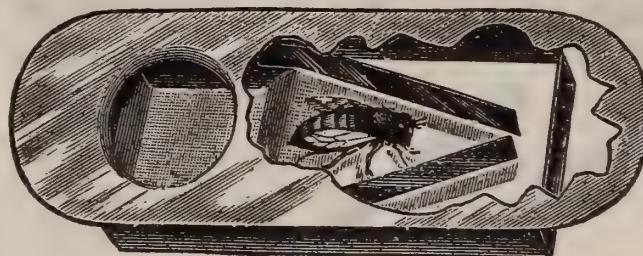
15-Cent. 15c; by mail 20c.

FOUNDATION FASTENERS.

Daisy. Without lamp, \$1.00.

Parker's. 30c; by mail 45c.

Hubbard Section Press. \$2.75.



Porter Bee Escape.

This is one of the best escapes known, and is far superior to almost all others. Price, 20c. Mounted, each, 40c.

HONEY EXTRACTORS.

Cowan Extractor.

Cowan, No. 15, two frames.....	\$13.50
Novice, No. 5	10.00

WAX EXTRACTORS.

Doolittle Solar, weight 30 lbs., \$4.50.
Swiss, \$3.00; with steam generator, \$4.00.

BOOKS FOR BEE KEEPERS and Agriculturists.

See Page 52.

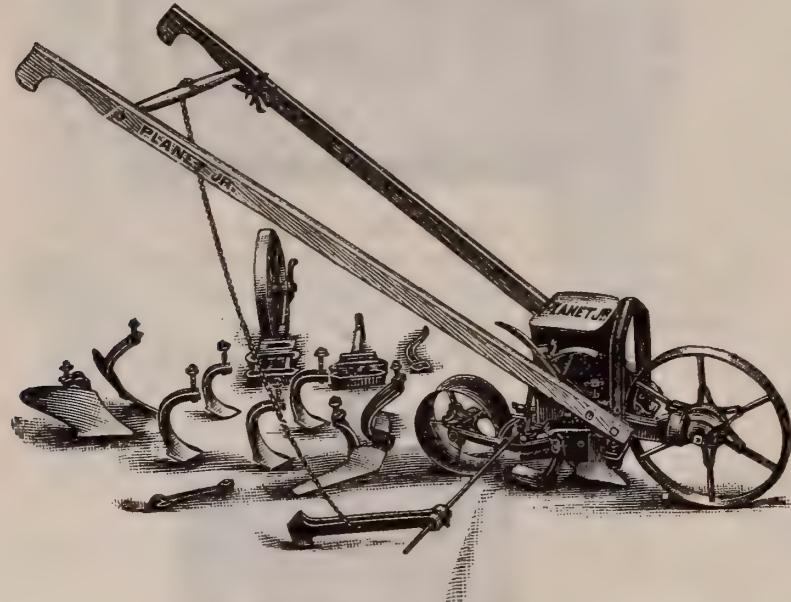
**BEE VEILS**

No. 1. Veil, made entirely of silk tulle.....	\$0.80
No. 2. Veil, cotton tulle, silk tulle face.....	.55
No. 3. Veil, cotton tulle, throughout.....	.49
Five Bar or Globe.....	1.10

"Planet Junior" Garden Tools.

Improved 1902 Models.

These goods are too well known to need an introduction. We list the most popular of the "Planet Jr." tools. For full description see "Planet Jr." Catalogue, which will be mailed on application.



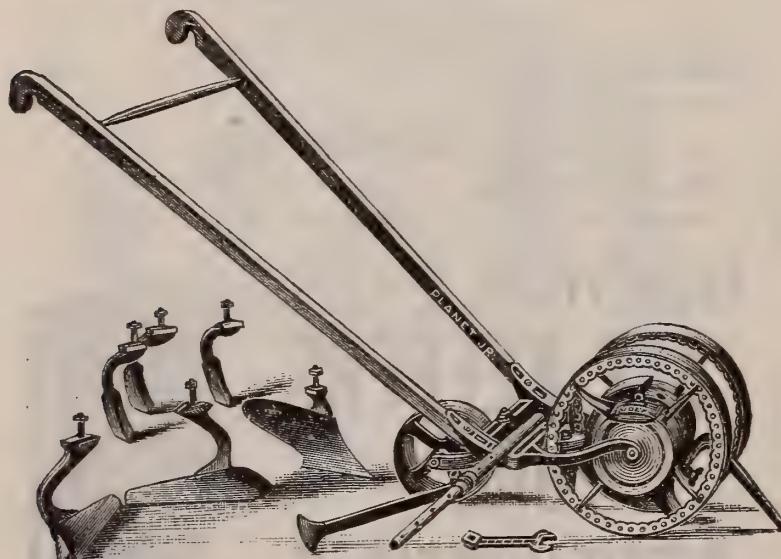
Planet Jr. No. 25. \$13.50.

Planet Jr. No. 2, Garden Drill. \$7.50.

Planet Jr. No. 3, Single-Wheel, Hill-Dropping Drill. Weight, 49 lbs. Price, \$10.50.

Planet Jr. No. 4, Single-Wheel, Hill-Dropping Drill, Hoe and Cultivator, Combined, is a capital hill-dropping and a continuous row seeder, with the most perfect and complete single-wheel hoe, cultivator and plow that the most particular can desire. Holds 2 quarts. Weight 45 lbs. Price, \$10.50.

The same machine, with drill only, weight 37 lbs., \$8.50.



Planet Jr. No. 1. Price \$9.50.

Planet Jr. No. 5, Seeder and Hill Dropper. Holds 4 quarts. Price, \$13.50.

Planet Jr. No. 11, Double-Wheel Hoe, Cultivator, Rake and Plow. Perfectly adjustable. It has seven pairs of tools, being similar in every respect to No. 12 except that it has an extra pair of hoes and two pairs of rakes. See cut of No. 12 for illustration. Price, \$9.00.

Planet Jr. No. 25, Combined Hill and Drill Seeder and Double-Wheel Hoe. This new and improved combined machine is intended for large or small gardeners who require a Double-Wheel Hoe, Hill and Drill Seeder. These are all combined in one and changed in a moment. It is large enough for field use, for it holds 2½ quarts (or about 5 lbs.) of onion seed, and has 11¼-inch wheels.

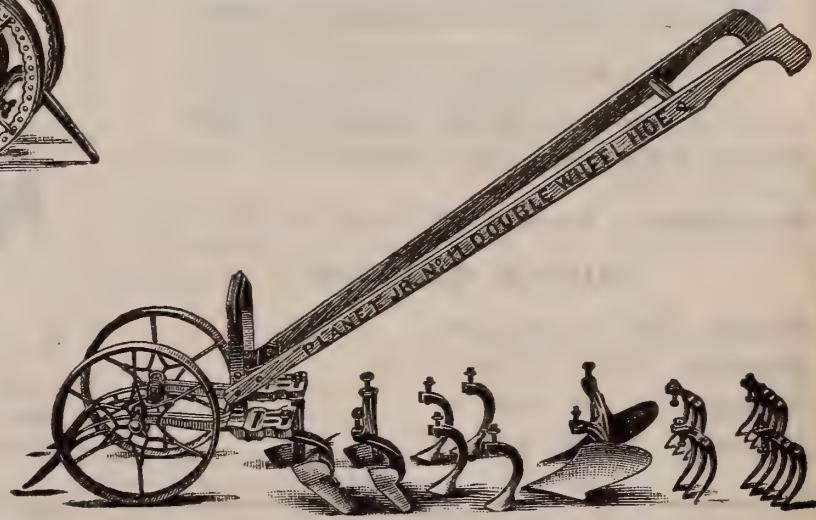
As a drill it is almost identical with the Planet Jr. No. 4 Drill; will sow in drills or hills 4, 6, 8, 12 or 24 inches apart. Thrown out of gear automatic; combined cut-off, seed index with perfect adjustment.

As a Wheel Hoe it is identical with No. 12. The entire combination is one we can heartily recommend and guarantee satisfactory. Price, \$13.50.



Planet Jr. No. 4. \$10.50.

Planet Jr. No. 1, Combined Drill Wheel Hoe, Cultivator and Plow. This tool is popular as a Combined Garden Tool. As a Drill it does good work. The hopper holds one quart. As a Wheel Hoe, Wheel Cultivator or Wheel Plow it is nearly equal to the tools described below. Weight 47 lbs. Price, \$9.50.

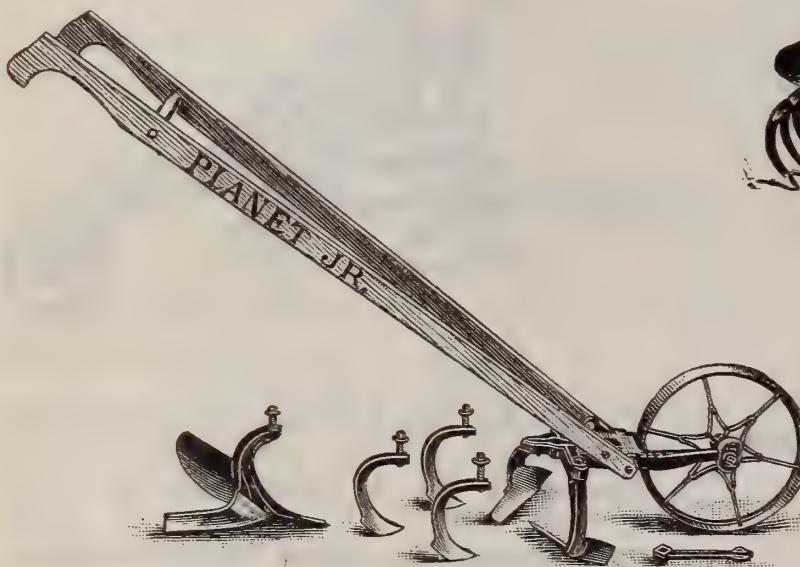


Planet Jr. No. 11. Price, \$9.00.



Planet Jr. No. 12. \$7.00.

Planet Jr. No. 16, Single Wheel Hoe, Cultivator, Rake and Plow. This latest and best single wheel hoe has a very full set of tools, several being of new design. The tools are a well shaped plow for marking out, plowing, covering, and late cultivation; a pair of 6-inch shield hoes and three all-steel patent cultivator teeth; also a set of two rakes, leaf guard; 11-inch wheel, etc. Price, \$6.00.



Planet Jr. No. 17. \$5.00.

Planet Jr. No. 17½, Single Wheel Hoe and Cultivator. This new style machine is similar to No. 17 except it has no plow, but it has a leaf lifter. Thousands of them have been sold for cultivating sugar beets and onions. Price, \$4.50.

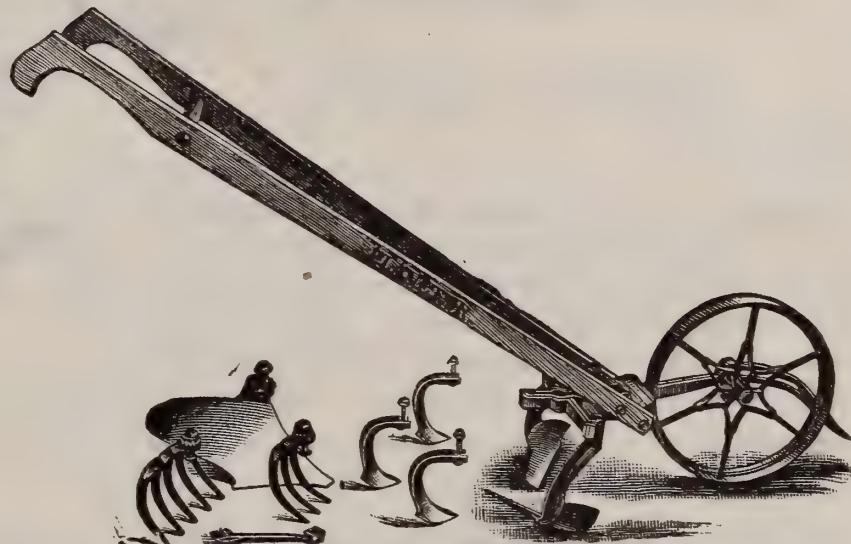
Planet Jr. No. 18, Single Wheel Hoe. This tool is fitted with but one pair of 6 inch hoes, other tools may be added as wanted. Price, \$3.75.

Send for Planet Jr. Catalogue.

Planet Jr. No. 12, Double Wheel Hoe, Cultivator and Plow. This tool is identical with No. 11, except that it has fewer attachments, and is sold at a correspondingly less price. The tools shown and sold with No. 12 are what gardeners use most, and the others can be added as wanted. Price, \$7.00.

Planet Jr. No. 13, Double Wheel Hoe. This is the No. 11, with a pair of 6-inch hoes only. The other tools may be added as wanted to either No. 12 or No. 13. Price, \$5.00.

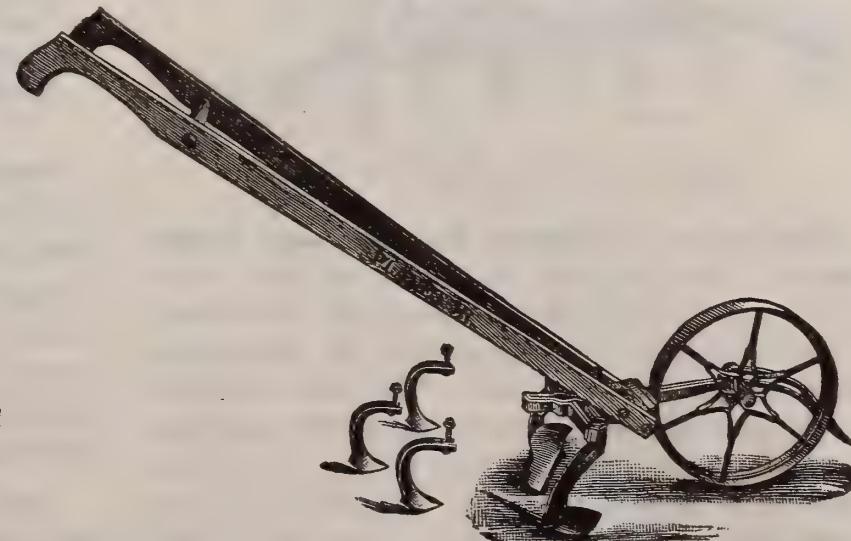
Planet Jr. No. 15, Single Wheel Hoe, Cultivator, Rake and Plow. The latest and best Single Wheel Hoe in every particular. Price, \$7.00.



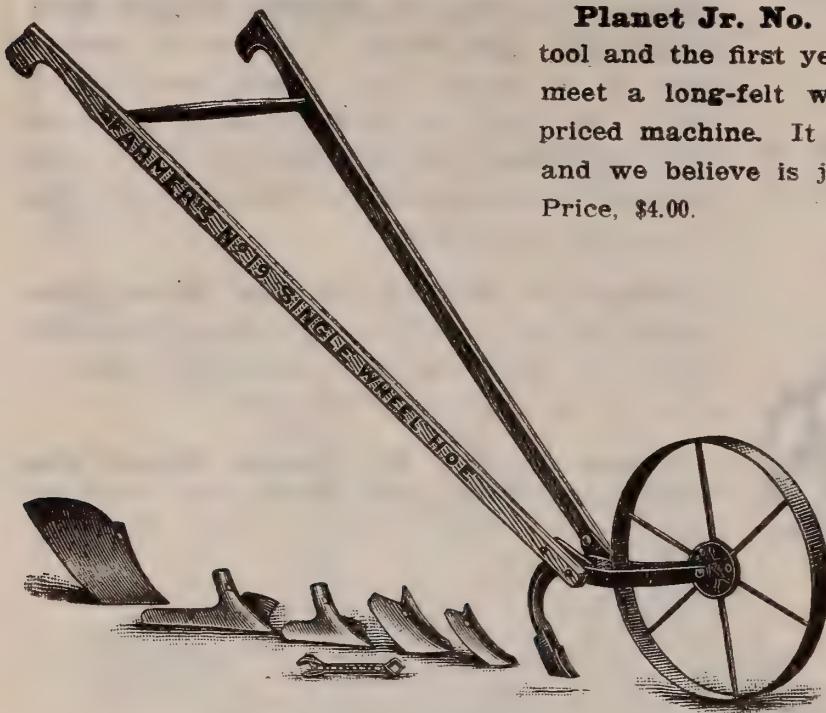
Planet Jr. No. 16. \$6.00.

Planet Jr. No. 17, Single Wheel Hoe, Cultivator and Plow. This tool is identical with No. 16, but has only a pair of 6-inch hoes, a plow, and a set of cultivator teeth,—an outfit sufficient for most garden work. The other attachments can be added at any time.

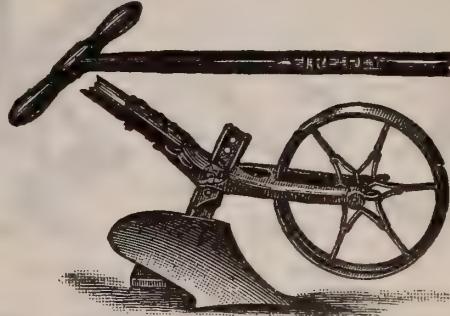
This low-priced tool has met with immense sales. Price, \$5.00.



Planet Jr. No. 17½. \$4.50.

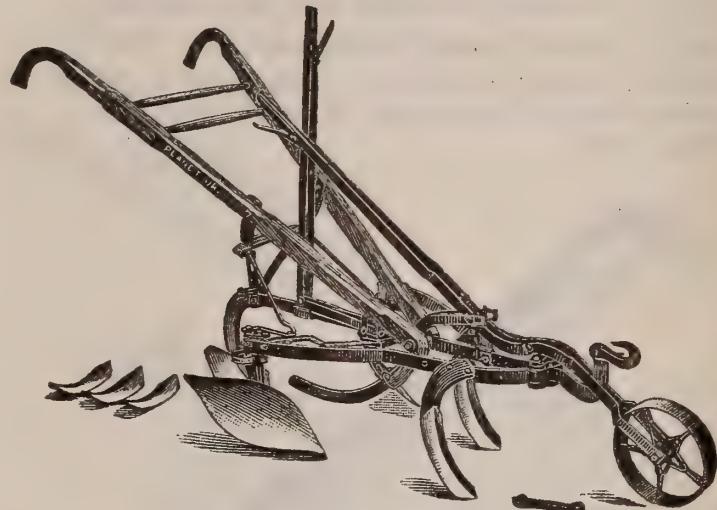


Planet Jr. No. 19, Wheel Hoe. This is an entirely new tool and the first year on the market. Was made and designed to meet a long-felt want for some uses of a high wheel and a low priced machine. It is fitted complete with tools as shown in cut and we believe is just such a machine as is required by many. Price, \$4.00.



Firefly Hand Plow. Invaluable for small gardens. Price, \$2.50.

Firefly Single Wheel Hoe. Price, \$4.75.



Planet Jr. No. 8. \$8.50.

Planet Jr. No. 4, Horse Hoe and Cultivator, \$6.50; without wheel, \$5.75.

Planet Jr. No. 4, Cultivator, \$5.25; without wheel, \$4.50.

The Planet Jr. Pivot Wheel Cultivator, Plow, Furrower and Ridger. 2-horse, one row. Price, \$45.00.

Planet Jr. Orchard Cultivator. A 2-horse machine of great merit. (For description see Planet Jr. Catalogue.) Price, \$40.00.

The Planet Jr. Grass Edger will do either straight or curved edging and should be the constant companion of the lawn mower. Price, \$6.50.

Space will not permit our showing and describing all of the "Planet Jr." tools but we will send a fully illustrated Catalogue, free for the asking, to any who desire it, and we can supply promptly nearly any tool or extras ordered.

"Planet Jr." goods are standard machines, the best on the market. In sending orders to us, you can rely on getting bottom prices.



Planet Jr. 12-Tooth Harrow. \$8.50.

Planet Jr. 12-Tooth Harrow and Cultivator. This tool has rapidly grown into favor with farmers, market gardeners and strawberry growers. It has a high frame and the chisel-shape teeth cut an inch wide each. The foot lever pulverizer is a capital addition. Hand lever regulates both width and depth while in motion. Adjustable from 10 to 32 inches. Price, complete, \$8.50. The same tool without pulverizer. Price, \$7.00. The same without pulverizer or wheel. Price, \$6.00.

FERTILIZERS.

We carry large and complete stocks of the most economical, first-class Commercial Fertilizers, analysis highest per cent, and our prices are right.

PURE BONE MEAL.

Animal bone finely ground is one of the very best and most economical fertilizers, especially at present low prices. A most valuable enricher of the soil, and crop producer. Our stocks are absolutely pure. 100 lbs. \$1.75; ton, \$30.00.

BONE FLOUR.

Acts quick and one of the very best for floral culture. 100 lbs \$2.75.

LAND PLASTER; OR GYPSUM.

Made from pure Gypsum, absolutely free from clay, sand or other foreign matter, 99 per cent pure. For a first class fertilizer at a low cost, the "Oregon Land Plaster" is not equaled. Especially valuable and will have a marvelous effect on potatoes, clover and all grass crops. 80 lb. sack 60 cents; ton \$12.00.

FISH GUANO.

This is the very best quality of Guanos, containing high percentage of nitrogen, phosphoric acid, and other fertilizing qualities. 100 lbs. \$1.75. Write for ton price.

LAWN FERTILIZER.

For grass lands, lawns and flowers. This article has been specially prepared to meet the requirements of grass lands, and has been used on a great many lawns in and about this city with highly-satisfactory results. Do not use barnyard manure on a lawn, for it will fill it full of weeds. This fertilizer will feed the roots better and bring in no weeds. 25-lb. sack, \$1.00; 50-lb. sack, \$1.50; 100-lb. sack, 2.25.

VEGETABLE FERTILIZER.

This compound is prepared specially for potatoes, vegetables and garden truck, and is unsurpassed for bringing these crops to early maturity. 100-lb. sack, \$2.25.

COMPLETE FERTILIZER.

An all-around fertilizer for ordinary farm and garden products. Contains high percentages of fertilizing properties and is highly satisfactory to all who use it. 100 lbs., \$2.00.

FRUIT FERTILIZER.

This excellent fertilizer is made expressly for fruits. Its use for fruit trees, vines and shrubs of all kinds will be followed by a great improvement in the quality and increase in quantity. 100-lb. sack, \$2.25; ton, \$40.00.

HOP FERTILIZER.

This is an excellent manure, and is just the thing needed for the successful growth of hops. A trial will convince hop men of its value. 100 lbs., \$2.25.

SUPER-PHOSPHATE.

This is a first-class article of pure bone phosphate, and acts in a remarkably short time. 100 lbs., \$2.50.

NITRATE OF SODA.

For immediate results Nitrate of Soda is the very best for stimulating and forcing the growth of plants or any other crop. 100 lbs., \$3.00. Write for ton price.

THOMAS SLAG PHOSPHATE.

A very effective fertilizer, rich in phosphoric acid, possessing a high degree of solubility. 100 lbs., \$1.50.

SULPHATE OF AMMONIA.

Is one of the most concentrated forms in which Ammonia can be applied to crops. 8c per lb. Write for price on large quantity.

BOWKER'S PLANT FOOD.

Best fertilizer for house plants. ½-lb. package, 25c; 1-lb. package, 50c, postpaid.

JADOO FIBRE.

This is a potting material rather than a fertilizer, and is manufactured by boiling into peat moss certain chemicals which contain the elements necessary to support plant life. Very fine for house plants. 1 lb. 10c; 5 lbs. 40c; 10 lbs. 70c.

Potash

Is one of the most important fertilizing elements. Every farmer should find out by practical experiment what his soil needs and avail himself of the large profit to be derived from the use of potash and other commercial fertilizers. We have a large stock of Potash Salts, direct from the mines at Stassfurt, Germany, and are in position to furnish them at reasonable prices.

MURIATE OF POTASH.

1 lb. 3½ cents; sack 224 lbs. \$6.50.

SULPHATE OF POTASH.

1 lb. 3¾ cents; sack 224 lbs. \$7.25.

KANIT.

1 lb. 1½ cents; sack 224 lbs. \$2.25.

Can furnish Pamphlets on Potash, Nitrate of Soda and general gardening, etc., free.

A light top dressing of these fertilizers, applied at any time, will be found to aid the growth of crops very materially.

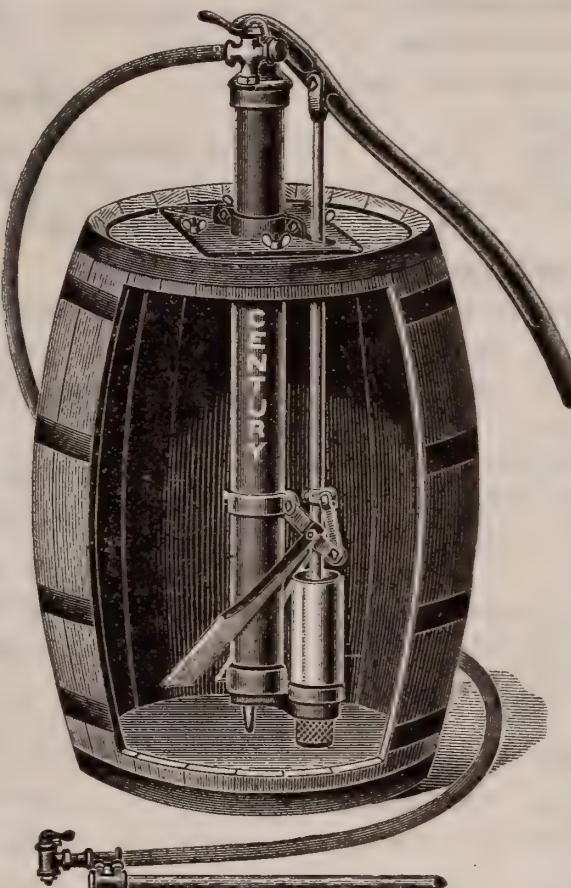
For larger quantities of any of these Fertilizers, write for Special Quotations.

SPRAY PUMPS.

The great value and benefit to be derived from spraying is well known by orchardists. The amount of loss in crops from injury by insects and fungi in the United States alone is estimated by the highest scientific authorities at \$500,000,000.00; 75 per cent of the amount (or \$350,000,000.00) can be saved by spraying.

**The Improved
DEMING PUMPS
are not surpassed
in
Handiness, Durability or
Workmanship.**

The Deming New Agitator agitates and would more than please you in the way it keeps the suction hose and strainer open. They are perfection. Try it and decide for yourself.



Deming Century. Fig. 645.

The Simplex Barrel Spray Pump. Our popular Orchard Sprayer. With Mechanical Agitator and Brass Working Parts. This is a first-class orchard sprayer. The working parts are made of brass. The discharge is provided with Double Y connection, so that one or two sections of hose may be used at will.



Fig. 550. Simplex.

OUTFIT C. Fig. 550. Spray Pump with 10 feet of $\frac{1}{2}$ inch 4-ply hose, with one spray nozzle. Has Double Discharge Y without barrel. \$9.50.

OUTFIT C. C. The same as Outfit C. but with 25 feet instead of 10 feet of hose; and 8 feet pipe extension. No barrel. \$15.00.

The Improved Deming "Peerless" Spray Pump. With Brass Working Parts, Double Discharge Cock and Mechanical Agitator. This pump has stood years of hard usage and tests, possessing the many features necessary for a first-class orchard sprayer, such as large air chamber, A1 agitator, non-corrosive material, etc.

OUTFIT C. Pump with 10 feet $\frac{1}{2}$ inch 4-ply hose and nozzle. No barrel. \$12.50.

OUTFIT C. C. Pump with 25 feet $\frac{1}{2}$ inch 4-ply hose, nozzle, pole connection, 8-foot pipe extension with Globe valve. No barrel. \$15.00.



Fig. 549. Peerless.

For Spraying Materials, Insecticides, Etc., see page 63.

The Planet Pump. A powerful pump for spraying large orchards and buildings. Arranged for one, two, three or four lines of hose. The cylinder is lined with heavy brass, and the pump is supplied with four feet of wire-lined suction hose and brass globe valves. Price, pumps only, \$18.00

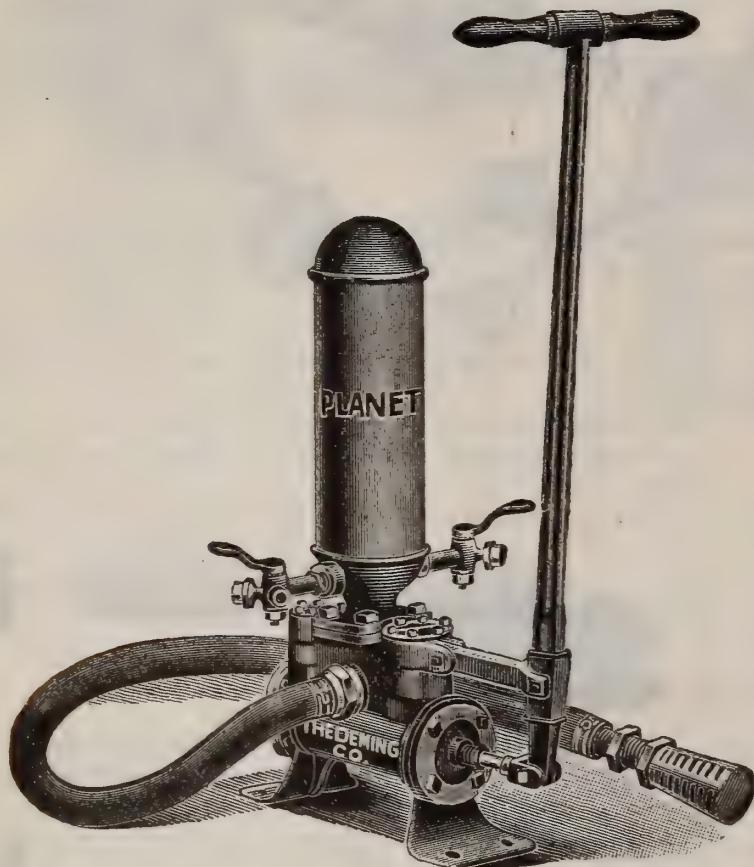


Fig. 610. Planet Pump.

Planet Pump, with 50 feet 4-ply hose, two 8-foot pipe extensions with Globe valves, two nozzles, suction hose, complete, \$30.00.



Success.

Prize Bucket Spray Pump. All working parts are brass, bronze ball valves and malleable iron foot rest. A splendid pump at a low price. \$3.50.



Prize.

Brass Bucket Spray Pump. A first-class pump for spraying small trees and light work in general. The best cheap tool on the market. Price \$3.50.



Smith's Patent Force Pump. Just the thing for white-washing your hen house, washing windows and other light work. Tin: four nozzles, \$1.00.



Prize Knapsack Pump.

The Prize Knapsack Pump. A Knapsack and Bucket Sprayer combined, 5 Gallon Galvanized Iron Tank. Brass Pump with Bronze Ball Valves. Very convenient and serviceable. Price, \$7.50.

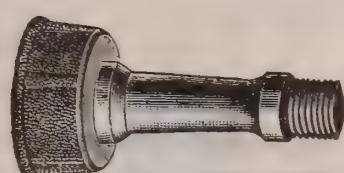
We carry a full line of Spraying materials. See page 63.



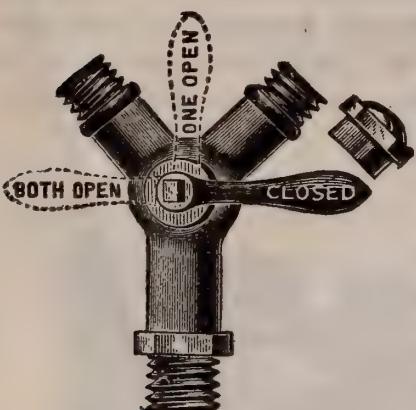
Double Spraying Attachment. Fig. 980. Price 50c.



Nozzle Coupling and Hose Stock. Fig. 749. Price, 25c.



Nozzle and Hose coupling. Fig. 966. Price 30c.



Three Way Cock, Fig. 336.
Price \$1.75.



Yerdon's Bands.

5c; doz. 50c. Hose menders, $\frac{1}{2}$ in. 5c;
 $\frac{3}{4}$ in. 5c; 1 in. 10c.



Hose Couplings.
 $\frac{1}{2}$ in. 15c, by mail, 20c.
 $\frac{3}{4}$ in. 20c, by mail, 25c.
1 in. 25c, by mail, 35c.



Caldwell Bands, 25c per doz.

NOZZLES.



Vermorel, Fig. 552.

VERMOREL



Bordeaux Nozzle.
Fig. 965.

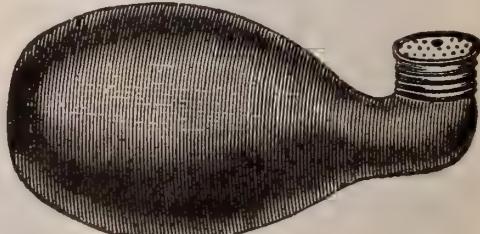


Lightning Insect Exterminator.

Lightning Insect Exterminator. Just the thing for spraying Rose Bushes and small shrubbery. Also first class for use in chicken houses. Prices, Brass, \$1.00. Galvanized Iron, 75c.



Scollay Sprayer.



Perfection Sprayer.

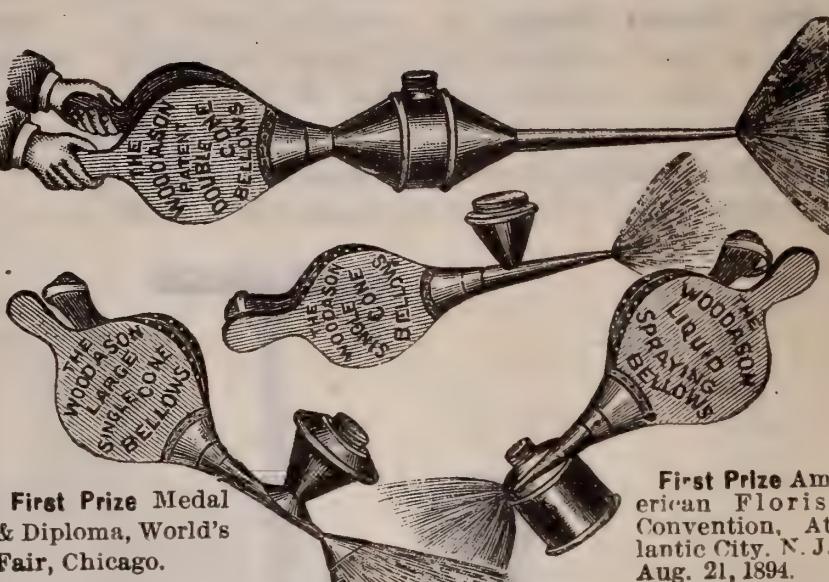
Perfection. No. 1, Angle Neck, 60c; by mail, 65c. No. 3, Angle Neck, 90c; by mail, \$1.00.

Scollay. Four sizes—50c; 75c; \$1.00 and \$1.25; by mail, 55c; 85c; \$1.10 and \$1.35.

MISCELLANEOUS.

Globe Valve	\$0.75
Pipe Extension, 8 foot.....	.60
Bamboo, with Globe Valve, 8 ft.....	1.75
Bamboo, with Globe Valve, 10 ft.....	2.00

Fig. 971. 25c.
Extension Pole
Holder.



First Prize Amer-
ican Florist
Convention, At-
lantic City, N. J.,
Aug. 21, 1894.

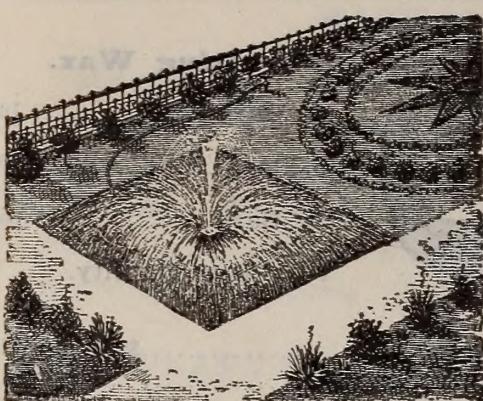
Sprayers. Woodason's Liquid, like cut. \$1.50 and \$2.00.

Powder Bellows, Woodason's Single Cone, \$1.25.
Powder Bellows, Woodason's Large Single Cone, \$2.00.

Powder Bellows, Woodason's Double Cone, \$3.00.



Aspinwall Sprayer. One of the most convenient and economical for using liquid Lice Killers, Sprays, etc. Nothing cheap but the price. 75c.

**LAWN SPRINKLERS.**

Lowell. This is the most convenient all-around spray hose pipe and lawn sprinkler 40c, by mail 75c.

Golden Gate Sprinkler \$1.00

Propeller 45

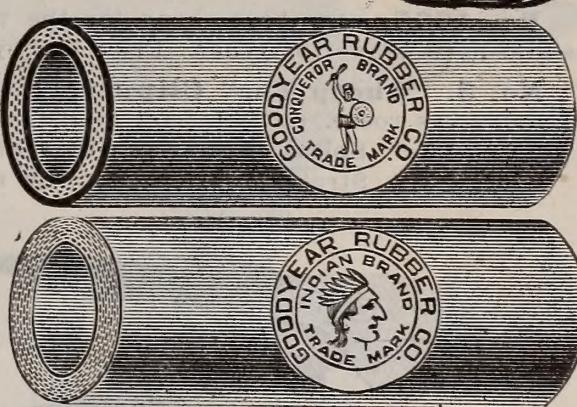
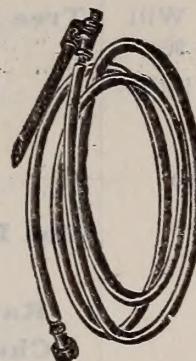
Rainmaker 50

**HOSE.**

We carry and can furnish the very best brands of Garden and Spray Pump Hose.

Different sizes and from 3 to 8-ply. Hose that will stand hard usage.

Write for prices.



Washes and Insecticides, For Destroying Insects, Scale, Etc.

We give below a list of washes recommended by the State Board of Horticulture for destroying Insect Pests on trees, etc.; also other washes and ingredients for same use.

No. 1. Winter Spray for San Jose Scale and Peach Curl Leaf. Ingredients: Salt, lime, sulphur, etc. For winter use, 1 lb. to 3 gals. of water; for summer, 1 lb. to 8 gals. of water. Price, 1 lb. 10c; 25 lbs. to 50 lbs. 5 cts. per lb.; 100 lbs. or more, at 4 cents per lb.

No. 2. For San Jose Scale and Wooly Aphis. Ingredients—sulphur, lime, blue vitrol. For winter use, 1 lb. to 3 gals. For a preventive, 1 lb. to 5 or 6 gals. For summer, 1 lb. to 8 or 10 gallons. For Godlin moth add to 8 or 10 gallons of solution a full $\frac{1}{2}$ oz. of Paris Green or London Purple. Price, 1 lb. 10c; 25 lbs. to 50 lbs. 5c per lb., case of 100 lbs. or more, $4\frac{3}{4}$ c per lb.

No. 5. Whale Oil Soap. Summer Spray for Hop Louse and Green Aphis. Use 1 lb. to 7 gallons of water. Price, 1 lb. 10c; 25 to 50 lbs. $5\frac{1}{2}$ c per lb.; case of 100 lbs. or more, $4\frac{3}{4}$ c per lb.

No. 7. Bordeaux Mixture for Fungi. Ingredients—Sulphate of copper and lime. For winter use 1 lb. to 2 gals. of water; for summer, 1 lb. to 4 gallons of water. Price, 1 lb. 10c; case of 25 lbs. to 50 lbs., 7c per lb.; case of 100 lbs. or more, 6c per lb.

Paris Green. $\frac{1}{2}$ lb. can 20c; 1 lb. can 35c; 5 lb. can \$1.50.

London Purple. 1 lb. 35c; 5 lbs. \$1.40.

Rosin. 1 lb. 10c; 100 lbs. \$5.00.

Sulphur. 1 lb. 5c; 10 lbs. 30c.

Babbitt's Lye. 10c per can; 1 doz. cans 90c.

Sulphate of Copper. 1 lb. 10c; 10 lbs. 80c; 100 lbs market price.

Quassia Chips. 1 lb. 10c; 10 lbs. or more 7c per lb.; 100 lbs. market price.

Tobacco Dust. 1 lb. 10c; 10 lbs. 60c; 100 lbs. \$4.50

Fir Tree Oil Soap. The best thing we know of for killing Green Aphis on shrubbery and garden plants. $\frac{1}{2}$ lb. can 25c; by mail 35c; 2 lbs. 75c.

Buhach. A Pyrethrum preparation of good strength. 1 oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

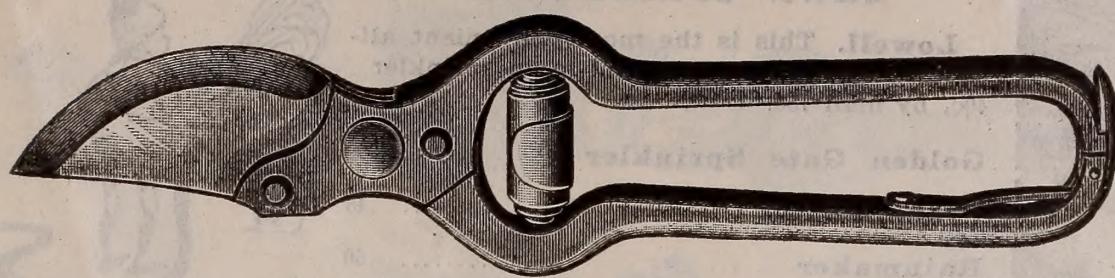
Apis Punk. Is a special preparation of nicotine for the extermination of green and black fly, thrip, etc., in greenhouses and conservatories. Is especially recommended for roses, carnations, chrysanthemums, heliotrope, smilax and ferns. Full direction with each package. Per roll 5c; box of 12 rolls 60c; case of 12 boxes \$6.50.

Nikoteen. Pure extract. Pt. bottle \$1.50.



Hammond's Slug Shot. Excellent for destroying cabbage, turnip and beet fly, potato bugs, currant worms, green aphis, etc. 1 lb. 15c; 5 lb. pkg. 50c.

Hammond's Grape Dust. For the prevention and cure of mildew on roses, grapes, gooseberries, etc. Apply with bellows. 1 lb. 15c; 5 lb. pkg. 50c.

**Grafting Wax.**

$\frac{1}{4}$ lb. Bars	10c
$\frac{1}{2}$ lb. Bars	20c
1 lb. Bars	35c

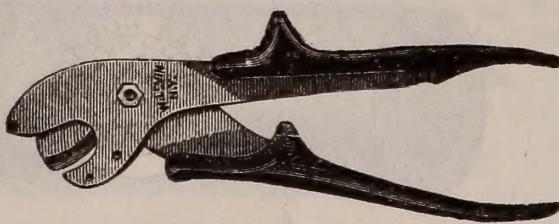
Very Best Quality.

No. 4665., very best shear for the price. Will stand hard usage for years. Price 75c, by mail 95c.

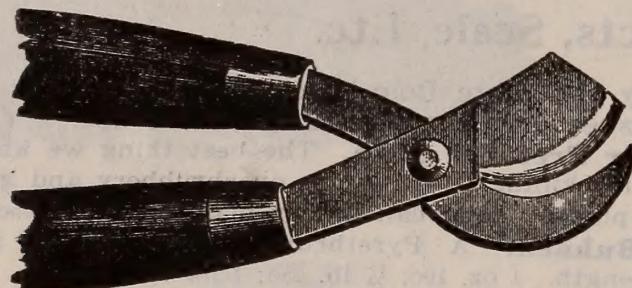
No. 5. "Sheep Toe" Clipper. Fine for light pruning, as roses, etc. 40c; by mail, 55c.

"No. 14." Spiral spring, 50c; by mail, 65c.

"No. 21." Straight springs, 55c; by mail, 70c.



The Levin Pruner. Very strong and an easy cutter. No. 23, cuts $\frac{1}{2}$ inch dry, hard oak. Postpaid, 75c. No. 24, cuts $\frac{3}{4}$ inch dry, hard oak. Postpaid, \$1.00.



Rockdale.

Two-Hand Branch Shear, Rockdale. 26-inch, \$1.00; 41-inch, \$1.25.

**Water's Pole Shears,
(New Standard.)**

6 feet	\$0.75
8 feet	1.00
10 feet	1.10
12 feet	1.25

Cannot go by mail. Purchaser will have to pay freight or express charges.

Pruning Saws.

Crescent, 12-inch	70c
Crescent, 14-inch	75c
Wonder, 20-inch	85c

Knives, M. & G. Budding	\$0.25
" I X L Budding Ivory opener.....	1.90
" Budding, Gutta Per. opener.....	.60
" M. & G. Grafting.....	.25 and .30

Pruning and miscellaneous knives, all sizes and prices.

Trowels, Vaughan's Solid Steel.....	\$0.60
" 6-inch Cheap Garden .....	.10
" Solid Shank .....	.50
" 6-inch Transplanting .....	.15

Tree Labels, painted.....	\$0.70 per M
" " painted, wired .....	.90 per M
" " unpainted .....	.60 per M
" " unpainted, wired .....	.75 per M
" " printed .....	.85 per M
" " copper, wired	1.25 per M
" " brass, wired	1.25 per M

Pot Labels, painted .....	.85 per M
" " unpainted .....	.65 per M

Raffia. For tying buds, plants, etc., 1 lb. 25c.

Chenile. Purple, Light Blue, Red, White, Yellow. Per skein, 35c.

Florist Letters. Block, 2c; Script, 4c.

Wire Hanging Baskets. 12-in., 25c; 16-in., 60c.

Tin Foil Florist. 1 lb. 15c; 10 lbs., \$1.25.

" " Pure, 1 lb. 65c.

Plant Stakes. Write for price.

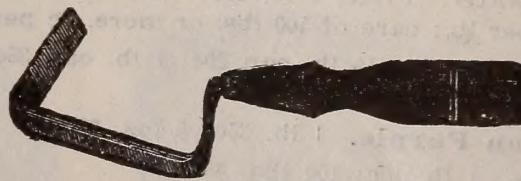
FLOWER POTS. SAUCERS.

	Each	Doz.		Each	Doz.
2 in.	\$0.03	\$0.20			
3 in.	.04	.35			
4 in.	.05	.45	\$0.03	\$0.30	
5 in.	.06	.55	.04	.35	
6 in.	.08	.85	.05	.45	
7 in.	.12	1.10	.08	.75	
8 in.	.14	1.45	.10	.95	
9 in.	.18	1.80	.12	1.10	
10 in.	.30	3.00	.15	1.25	
12 in.	.50	5.00	.20	1.80	

**LANG'S****HAND****WEEDER**

**HANDEST
TOOL**

**ON EARTH. BY MAIL PREPAID
25c.**



Hazeltine.

Excelsior Weeders	20c
Noyes Hand	30c
Hazeltine's	30c
Combination	30c

Excelsior.



MASTICA.

Mastica. For glazing hot-house windows. Put up in one-gallon cans, ready for use. Price, \$1.50 per gallon.

Mastica Machine. For applying Mastica. Saves time, labor and expense in glazing hot-house windows. Price, \$1.35.

PLANT PROTECTING CLOTH.

Light grade, per yard, 10c; per piece of 68 yards, \$5.50.

Medium grade, per yard, 15c; per piece of 62 yards, \$6.00.

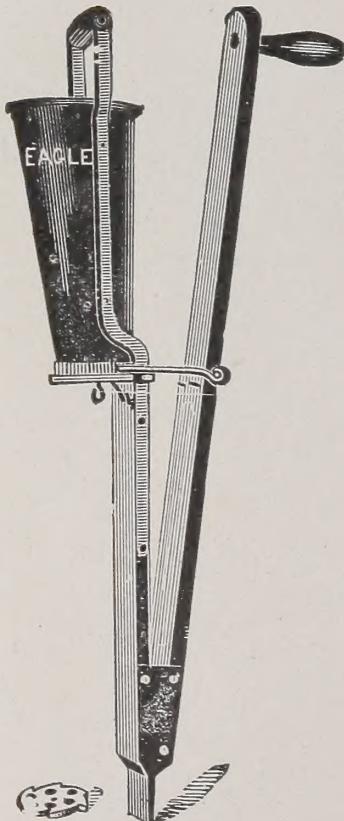
Palmer's Plant-Bed Mats.

No. 1. Burlap Cloth, 40x76 inches, \$1.00.

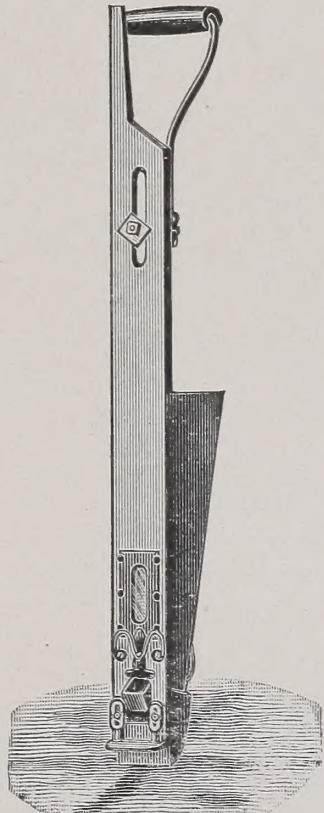
No. 2. Duck Cloth outside, 40x76 inches, \$1.25.

No. 3. Waterproof. Made of oil duck, filled and quilted the same as No. 1. 40x76 inches, \$1.50 each; 76x76 inches, \$1.75 each.

CORN PLANTERS.



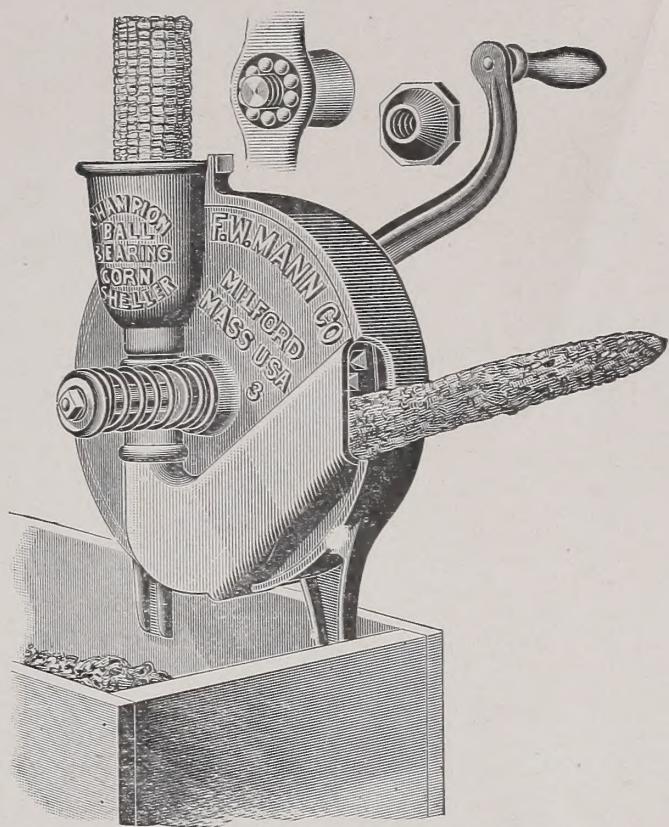
Eagle, \$1.50.



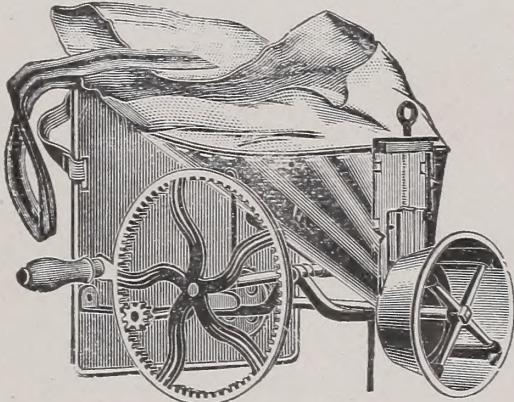
Babcock, \$1.25.

The Eagle Corn Planter gave such good satisfaction and we received so many testimonies last season, that we do not hesitate to recommend and say it is unsurpassed.

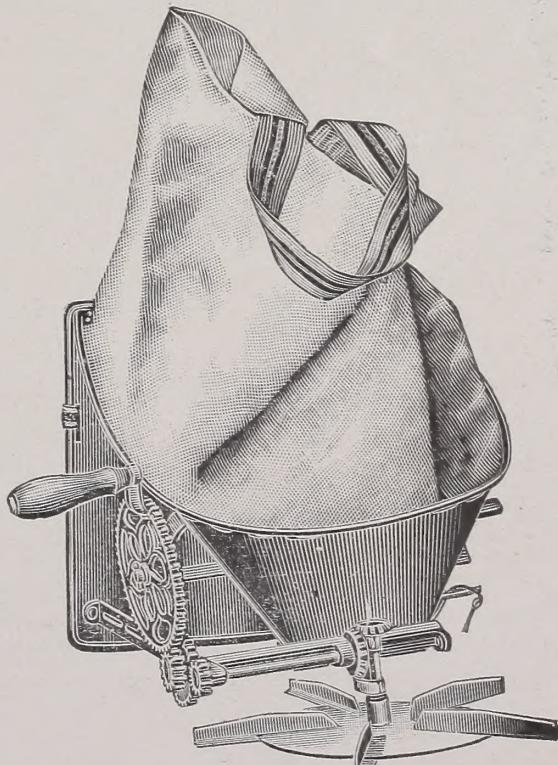
The Premier Hand Seeder. This is the best seeder on the market for the price, \$1.50.



Mann's Champion Corn Sheller. Price \$8.50.



Cahoon Hand Seeder. Price \$4.00.



Granger Hand Seeder. Price \$3.75.

Savage & Reid's

SEEDS

Are Sure Grow Seeds



The Most Beautiful Lawns are Made
by the Use of Our
**FANCY LAWN GRASS and LAWN
GRASS FERTILIZER.**